U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

STORM DATA

JULY 1964 Volume 6 No. 7



ASHEVILLE: 1964

		н	Ξ			. OF		ATED†				ıj.	Ξ			. OF		ATED†	
PLACE		LOCA	OF PATH (ES)	F PATH DS)	PER	SONS	-	AGE	CHARACTER OF	PLACE		LOCA	OF PATH ES)	F PATH (DS)	PER	SONS	DAM	AGE	CHARACTER OF
	DATE	TIME - LOCAL STANDARD	LENGTH (MIL	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM		DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM
ALABAMA				ŀ						ARKANSAS (Cont'd	ф						ĺ		
Lincoln, Talladega County	9 Torn			narrow unroof		nd da	lı maging	llı ur	Tornado its of large	Little Rook erea, Pulaski County	8	5:30 p. to 5:00 p.	12	6 *	0	1	4	0	Wind end hail
Kinston, Coffee County	24 Ligh and	11:20a thing str injuring	ick ga:	ment f	0 actor	2 7 can	2 sing m	inor d	Electrical amage to wiring		at	nderstorms	Hail	three-q	uarte	rs i	noh in	diame	at Adems Field ter reported 9 cused man to lose
Omega Community, Bullock County	31	After- noon by lightn:	nor arb	la mid	1	+=			Electrical		dem	trol of au age to 10,	tomobi	le in N ectrice	orth	Litt	le Roc	ton F	coway. Widespread
ALASKA	1110	No repor								Hot Springs area, Garland County	8	8:00 p. to 8:30 p.	2	1 *	0	٥	4	0	Wind and hail
ARIZONA	1										Thu	nderstorms	точей	east w	ita w	ind :	gusts	record	d at Municipal
Southeastern & Central Arizona	l	Evening	henvy	thunder	1	0	o ₅	C	Thunderstorms property damage	Little Rook area,	Wes	port to 7 t portions 3:00 p.	of ci	ty repo	rted	hail	one-b	alf in	outhern and south
	du	to flood	ing in near	Tucson Phoenix	, Pho	enix ind.	and Wi	ckenbi est p	irg. Some damage operty damage Cowboy and	Pulaski County	J	to 6:00 p.	40	30 •	0	0	5	0	Tornado, wind and hail
!	hl		re kil	led by	light				ley. Crop		Num	rous thim e Base pu	dersto lic r	rms over	cou come	nty n 11 to	oved	south.	Little Rock Air l park with short
Tucson		Evening	540		0	0	4	0	Thunderstorm		hai:	13:06 P.M. cone and cone to or	, to 3 one-ha ne and	10 P.M lf inch	. Wi es in lf in	nds s diam ches	t Air eter. in di	Force Jacks	Base 55 mph with onville reported over 20 square
		inderstorm					Most	dama	e to motor vehicles		1 11116	area. Ti	rnado	report	ad 10	mile	de weet	H of I.i	ttle Rook at 2.55
Tal-Wi-Wi	22-2	1)		0	0	0	4	Rain		to	lectrical	wind servi	gusts to	o 66 : parab	mphε le to	t 3:2 Apri	P.M., 1, 1961	inor damage. Litt extensive damage
	rs	siderable n in vine Cardinal	yards	at Tal-	₩1-W1	, wes	t of I	hoeni:	ng two days of Many tons	England area, Lonoke County	9	3:50 P. to 4:45 p.	10	6 *	0	0	5	0	Wind and rain
Tucson	١.	Evening		1010	0	0	4	ĺ	Thunderstorm		Thur Exte	derstorms nsive dame	moved ge to	souther proper	ust w	ith w	inds e	stimat ilitie	ed ower 70 mph.
		aviest pro me damage			due t	o flo	oding	in so	ithern part of town.	Pine Bluff area, Jefferson County	9	4100 p.	20	10 *	0	1	4	4	Wind
Jerome and Sedona	l .	Evening			0	0	4	i -	Thunderstorm		Thun	5:00 p. derstorms	moved	southes	st.	Wind	в 74 п	oh at	Frider Field at
	Ma.	icrity of	lamage	to his	hways	and	sidev	lks.	sive water runoff. Due to hilly nature		4:12 elec	P.M. with trical fac	some	damage	to ai	rpla	nes.	Attens	lve damage to
i	dau	Jerome de maged home ples and p	s and	busines	Вев.	Heav	ed in y rain	and:	ate property and some hail damaged	Malvern area,	of P	ine Bluff. 4:00 p.	Alt) 30	eimer i 20 *	ad de	mage 0	to pr	operty O	and pecan orchard
Southeastern part of State	}	Evening			0	0	5	١ -	Thunderstorms	Hot Spring County	Most	to 5:00 p.	. 1.4 4 1						lightning
		t of the	State	hansed	prope	rt.v i	ama <i>re</i>	lin se	he southeastern seral towns.		19 y	ears for 1	nterry	ption o	f old	otri	è powe	r and o	as worst storm in damage to power a time. Power from
	ca	used fire	in Cat	alina M	founte	dins d	lestro	ing si	las. Lightning		Carp	enter Dam baing.	(Lake	Hamilto	n) wa	s cu	off	ron P	ne Bluff by
Dia unt off	in	Douglas. Afternoon		sed by	1,1000	nng,	but Bo	me V11	d damage reported	Ozark area, Franklin County	9	5:30 p.	ł	200	0	, u	4	. 0	Tornado
Flagstaff	Hear	vy rainfal	l asso	riated	with	gener	al thu	ndersi	orm activity over		Tor	5135 p.	ted 1	miles	nor th	west	of Br	anch, l	ocated 15 miles
, i	and								es, utilities . staff streets by		min Gree	r propert	dama Sebast	ges. R isto Cour	sport aty s	of a	hort.	gmall	a farm causing tornsdoes at n Logan County
Northeastern Phoenix	30	Evening			0	0	4,	0	Rain	Hughes area.	11	10:15 p.		10 0100	1	0	4	0	Wind
	Plot in 1	dwaters c	aused Sun C	damage ity, Gl	to ho endal	mes, e, an	busine d El N	sses a irage.	nd motor vehicles	St. Francis County	Thu	d erstorms	moved		rea w	ith g	usts	stimat	ed to 75 mph.
South-Central Arizona		Evening			0	0	14	4	Thunderstorms	1		e blown or esualty. I						grapp	ed inside became
	to i	jo. Most	of da	nage in	Tues	on wa	s to h	omes a	m Tucson westward nd automobiles d near Gila Bend.	Danville area, Yell County	21	After- noon	7	?	0	1	0	0	Lightning
	Iso	lation of	Papago	Indian	в ву	flood	water	s requ	ired airlift of ages near Sells.										home as she had t of Danville.
ARKANSAS										Gurdon area, Clark County	23	12 Noon	?	7	0	1	0	0	Lightzing
Eureka Springs, Carroll County	1	2:00 p. to 3:15 p.	5	Small	0	0	3	0	Rein	Hot Springs area,	Men 24	injured by	r ligh 10	tning.	0	1	3	0	find and rain
		,							P.M. put about 8	Garland County	Thu	derstorms	точед	OVer a	rea c	ausin	g mino	r porp	erty damage. Man k in rainstorm in
Clinton area, Van Buren County	1	3:45 p.	2	440	0	0	3	0	Funnel cloud and wind	Blytheville area,		Lake Hamil	ton a	rea.		0	0	0	Funnel cloud
·	Fun	4:30 p.	moved.	northes	st.	Mind	damar	ed Cho	otew Boat Dook on	Mississippi County		el cloud			- 1		İ		
		ers Ferry								CALIFORNIA			None	repor	ted	٠.			
Mulberry area, Sebastian County	8	3:30 p. to 4:00 p.	?	?	0	0	3	0	Hail	COLORADO									
	Hai	_	up to	l inch	ind	ismai	ter. 20	mile	s northeast of	Arapahoe County	A to	Noon rnado took wer pole ¢	the p	oof of	0 a 10	O fo	ot new	barn	ornado und sheared off

See reference notes at end of table.

		, 1	_ T		NO.	OF	ESTIMA	TEDI				,	_I		NO.	OF	ESTIM	ATENT	
		CAL	PATE	Ŧ	PERS		DAMA				İ	CAL	PATH	Ę		SONS	DAM		
PLACE		ARD L	LES	OF PA (RDS)			Ě		CHARACTER OF	PLACE		- LO	LES)	OF PA		۰	εтγ		CHARACTER OF
	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM		DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM
COLORADO (Cont'd)	, İ.,	. 1	.				Ì			FLORIDA (Cont'd)	1,,			.					
Denver Area		ternoon men we:		cked do	o wn b	l yabo	olt of		Lightning ning while they	Miami, 50 NW Everglades area	1	11:30 am	ouched	ground	0 hris	0	0 n an	0 mihoh	Tornado ted area in
									ounty. They got up			Everglades							
	He suff		rns an	d shock	. L	ghtn	ng sta		several small	GEORGIA Near Chatsworth	9	9:00 a	Short	Narrow	0	0	L.	3	Tornado
Extreme Northeastern		ening		J.	0	1	ا و	١.	Lightning and hail	Murray County	l						-		
Colorado			.,	d			1			•	home	and heavi	ly dar	naged to	o ot	hers.	A fa	rm hom	hed one mobile a and outbuilding
	bales o	n a tru	ck, on	a farr	nort	thwest	t of J	es.	as loading alfalfa He suffered shock			also dama	iged at	na some					
	and bur the Oti	ns. Ha .s⊷Holyo	il cau ke are	as. So	ensit	e da ofs	nage to and win	dows	s and buildings in were damaged.	Fitzgerald Ben Hill County	10	4:30 р			0	5	L L	0.	Wind
El Paso County	7				0	1			Lightning		Five	en windste workmen w	rm col rere 1	llapsed jured.	a co	tton	gin th	at was	being repaired.
	Lightni He was	ng stru numb fr	ck a nu om the	an whil waist	e he down	was and	ollect	ing c	attle in a pasture. headache. Two	Athens Area	17-				1	0	5	0	Rain
	calves	were ki	lled a	nd 18 k	nocké	d do	m by t	he bo	lt. At least six ea west of Colorado		18 47 m	st continu	ions ra	in from	l let		the 17	th thr	ough the 18th-
	Springs			J ZAGII			.0 1010		2 4000 01 00101440		ext	emely hear	ry at	imes- c	ause	l ext	ensive	damag	e to streets,
Yuma	8	.	,		0	0	4		Lightning			a bridge						owned	when his car ran
l	1	l	ck and	burned	the	Metho	manst F		age in Yuma.	Savannah	17-				0	0	5	0	Rain
Buena Vista	A sudde	:30PM n deluge	ofr	in in :	a nor	mally	dry u	pper g	Flooding ulch, sent an										rent flooding of
	miles s	outh of	Buena	Vista.	A n	ew se	dan wa	s wash	uby mountain 6 ed down the gulch		to p	ets and se roperty.	me res More t	identia han an	l ard inch	of r	with r	esulta 11 on	nt heavy damage
		osited i						per an	d a panel truck		and	over 2 inc	hes fe	ll on f	live o	lavs	for a	six da	y total of 13.71 the largest for
Lincoln County	l . l .	oon			1	0			Lightning		any	July and	he th	rd larg	est	for a	ny mon	th.	
-	Lightni		k and	killed	a ma	n whi	le he		rding sheep on a	Conyers Area Rockdale County	20	early a m			0	0	° 5	C	Rain
	1	1	south	east Of	DI III	"•				Mockulate County	Extr	emely hear	y rair	s in a	five	squa	re mil	area	in and around
Denver		48P Tield re	ported	hail 3	/L ir	ch in	diame	ter.	Hail		othe	r property	• Sev	en brid	ges a	ind c	ulvert	s were	arm land and washed out and a
CONNECTICUT			None	repor	ted	Ì	ļ				fish	hatchery a broken	was co dam.	mpletel Some ho	y dea mes t	stroy ere	ed whe:	inun	fated by water
DELAWARE	1				ĺ				·	Columbus	21	6-9 p		.	0	0	5	٥	Rain
Wilmington	3	3:00PM				0	,	0	Lightning		Heav	y rains fl amilies we	ooded re eva	many st	reet:	and	some !	nomes	and businesses. or threatened
) ·		to he	ave been	COLL	ted b			severely damaged		home	s.							and described
	four-s	tory apa	rtment	; seve	rty-f	ve p	ersons	many	of whom were	Atlanta and North Georgia	22	рп			0	0	5	0	Rain and Elec-
		y, were	inade i	iome res:				,	11-21	Indian Googla	Thur	derstorm d	umped	.85 inc	hes	f ra	n on .	tlant	trical Airport in 13
Selbyville-Frankfurt area		4:00- 5:00PM			0	0	. D	4	Hail										heavier amounts extensive wash-
									ed in the		out	ccurred	in se	veral pl	Laces	. Ho	uses v	ere fl	ooded in several other north
									crops were torn but an observer		Geo	rgia commu	nities	. Stree	ets a	nd ro	ads we	re hea	vily damaged in lines and many
		that thing of sr		cover	ed gr	ound	so that	lock	ed like a light		res	dents rep	orted	lamage	to ap	pliar	ces.		Allos and many
FLORIDA										Fulton County	24	8:30 p	num of	ስድ ቸውገተ	n Co		41		Funnel Cloud
Plant City	2 1:	40 pm	Short	Narrow	. 0	6	4	ŀ	Tornado	La Grange	1		18030			•		1	
Hillsborough Co.	Storm	struck	traile	r park	in Ar	tioch	commu	nity		Troup County	31	3:00 p			٠.	1	h	0	Thunderstorm
West Palm Beach Palm Beach Co.	3								Waterspout		hig	winds and	i a wo	nan was	inju	red s	lightl	and ro y wher	ofs damaged by lightning struck
	6 7	ho		1					D	_		home. He	avy ra	ins acc	mpan	ied s	torm.		
Key West Monroe Co.	" "	40 am							Funnel Cloud	Rome, Floyd County	31	5:00 p			0	2	3	0	Thunderstorm
Daytona Beach	6 8	:15 am	1						Funnel Cloud		Two sta:	people wer	e inj Ziolen	red by	ligh reto	tning rm hi	and s	everal area.	fires were A rash of auto-
Volusia Co.											mob:	le accider , an inch	nts du	ring the	stq	rn re	sulted	in se	veral injuries.
Belle Glade Palm Beach Co.	6 1	:37 pm				}			Funnel Cloud	HAWAII				repor	i				
Miami	9 9	:35 am				-			Waterspout	IDAHO			5116	2 0 por					
Dade Co.										Northern Counties	8	Through- out day					?	?	Wind & Hail
Ocala Marion Co.		fter- noon			1	0			Lightning		Smal	l steel ba							Cottonwood Wed.
1	1 1	trimmer	killed	by 11,	ghtni	ng whi	le woz	king			afte	rnoon many	large	trees	were	blow	n down	and a	crops. Late in the
Tallahassee Leon Co.	10 2	:05 pm		1	}				Funnel Cloud		poin	t area str	ong wi	nds dur	ing (he n	ight b	lew do	rea. In the Sand-
	1,2	.20			}				Downel Classic		the powe	city and d r installa	id con tions	siderab east of	the	mage city	to te	tephoni	and electric
Miami Dade Co.	12 9	:20 A.L							Funnel Cloud	North-central Area	14	Late					?	?	Thunderstorms
Jacksonville	13 1	:15 pm							Funnel Cloud		Wind	afternoon and light		ombined	to d	amag	powe:	tran	mission facilities
Duval Co.											in a	rea from K	amiah	to Lewi	ston	and t	horth	o Ken	drick area. Most of tered cow and cal
Fort Myers Lee Co.	20 5	:20 pm							Funnel Cloud		k111		tning						nore blocked high
St. Petersburg	21 1	:30 pm				}			Funnel Cloud	Power County		Mid-after	- 7	11/2 - 2				?	Hail
Pinellas Co.		سے ۔ ر.				Ì					Stor	noon m started	in mid	miles -aftern	oon 1	2 m.1	NW o	Amer	can Falls and
Merritt Island		fter -		ŀ	o	2			Lightning		area	for 5 to	10 min	utes, d	amag i	ng c	rops of	1 28 t	In diameter pelted 30 farms. Total
Breward Co.		noon ning inj	pred t	vo con	struct	tion i	orkers	1			farm	land affec toes ran s	ted es s high	timated as 50	in '	thou	sands o	f acre	s". Damage to shredded and
	100	- •		-	1	0			Lightning			n losses w							
Haines City	129			1.	1	1	J	1	1	lhamah Gamanal ana	1	 						i	111-1 1 P.4-
Haines City Polk Co.		ning kil :-18 mm	led wo	rker i	ncit	rps gr	rpve.	Í	Funnel Cloud	North-Central area		Morning harns leve	اع مور	wind]	01,+6	and	Routhe	St of	Wind and Rain Cottonwood about
Haines City		ning kil i:18 pm	led wo	rker 1	n cit	rps gr	rpve.		Funnel Cloud	North-Central area	Two 8:30	barns leve AM, Anoth	er bar	n blown	dowr	and	windmi	11 ba	Cottonwood about ly damaged 6 mi. flooding from

JULY 1964

		CAL	PATH	 #		. OF		ATED [†]				CAL	РАТН	≢		OF SONS		ATED† IAGE	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
IDAHO (Cont'd)	Was	blocked,	this (ime for	two	hour	by d	ebris	up to 19 ft. in	INDIANA Huntingburg	3	1			0	0	4	0	Wind, rain,
	ture	departmen	t and	basemer	t of	store	in L	ewisto	looding in furni- n. At Weather Bur-										lightning, hail
	min.	and 1.09	in 24	hours.	Lig	tnin	caus	ed hun	in., 0.66 in 30 dreds of power out-	Princeton	1	6:55 p.	3	50	0	2	4	0	Tornado
		through			ana	cama	te to	etebuo	ne lines was fairly		pair		brok	n. To	nado	firs	touc	green hed th	houses had many ree miles west of
Moscow		10 P.M.	- 11T	to 1 fr	ch (dia	neter	nelte	Hail Moscow lawns and	Marion County, North	14	4:42 p.	trave.	iled no:	o O	O	0	0	Funnel cloud
	stre	ets for al								Dubois County	17	afternoon			0	1	4	,	Wind
Southwestern Counties and Salmon (near)	Stro								Wind cinity of Marsing	Indianapolis	21	2 p.			2	0	3	0	Lightning
	heav	y in Wild	er are	. Exte	psive	rest	ringir	ug of b	mage to hops was roken wires and			tning stru	ck a :	small bu					ys had taken
	per	acre. Str	tural	damage	to r	eside	nces r	esulte	ated at\$70 to \$100 d in more than 25 and rolled down			ge from th							ľ
	a 10	O-ft. emb	nkmen	t, inju	ing	both :	occupa	nts vi	p required hospi- a small tree broken	Ft. Wayne	22	4 p.			0	0	4	0	Hall, wind
	by t	he wind.	Damage	to pow	er an	tel 🏚	ephone	lines	was extensive.		Quar	ter-inch h	ail ar	d scatt	ered	prop	erty d	mage.	
									holding it broke.	IOWA Oakland	1	1:00 p					4		Hailstorm
Much of State	30 Flas			g down	s sma	 11 cr	eek ne	ar Rig	Thunderstorms gins covered U.S.	Cass County	3	12:20 a	20		h = 1		5	5	Hailstorm
	95 w	ith mud, ly 400 ft	and a	ad rock a-south	to traf	a dep	th of as hal	15 ft. ted fo	for a distance of r many hours. A		2½ Abo	ut 40% d	. at amage	due t	na1	nd.	W1D		Griswold.
		haa La ba	il for	cha aa	4~~4			heek w	R. Power County hen a storm struck	Shelby County	3	1:00 a					4	4	Windstorm
	just a st	south of rip about	Ameri 1½ mi	ean Fal les wid	ls an e and	20 m	ed to Lles l	the no	rtheast, covering bout 25 farms were 12 to 55% and total loss. No	8NE Boone	7	6:30 a	2	100.			4	4	Tornado
	dama	ge to 200	acre	o damage	e on eat e	tima	ted at	5% to	total loss. No Home a section of	Winterset	7	7:00 a							Funnel cloud
	ceme	nt block t	all,	0 ft.	igh	and 6	O ft.	long,	was toppled by the	Ottumwa	7	8:00 a		ļ		١.		_	Funnel cloud
ILLINOIS	VI.	۴.								SE Iowa	7 Muc Iow	8:00 a h damage	in a	rea bo	unde	i by	Des	5 Moine	Windstorm s, Wapello,
West Frankfort	3	6:45p			0	0	•3	С	Hail, wind	New London	7	a and Sc 8:30 a	D11 C	Dunise	ъ.	1			Lightning
									Frankfort were	Jackson & Clinton	8	6:00 p	6	3500		1	5	5	Windstorm
	pow	er lines	and	hail 1	rom				n limbs damaged meter covered	Counties		0.00							
McLeansboro	7	und in s 5:14-6p		ection	0	0	•4	c	Hail, wind,	Dana	9	11:30 a							Funnel cloud
rededisporo		_		es. si		-			heavy rain windows were	Dana		11:30 a 0 acres	sever						Hailstorm q. miles sur-
	dam	aged by	wind	and ha	111	/ith	some	loca	l flooding. ail ½" to 1"			nding wi	th sc	attere	d da	mage	5	. 5	Hailstorm
	in	diameter	in M	cLeans	bor	\$. I	lail	as la	rge as "tanger- west of city.	Webster City	9	1:45 p 2:30 p	4	4000	1		5	5	Hailstorm
Champaign County	8	12:52p			0	0	0	0	Funnel clouds	Ringgold & Union Counties	,	2.30 p	7	4000				ر ا	
I	A f	unnel cl	oud w	as fir	st :	sight	ed n	ear s	outh city	Northern Winne- bago County	9	5:30 p	15	4000			5	5	Hailstorm
	fun	nel clou	ds we	re the	n ol	ser	red b	seve	Two simultaneous ral residents h of St. Joseph.	Sioux City	9	9:40 p				١.	5	5	Hailstorm
ł	Obs	ervers a	greed	that	visi	ble	funn	el re	mained aloft ould be seen to		Mos Hai	t damagi 1 2 3/4	ng ha inch	il sto diamet	rm a er.	t Si \$45	oux 0	prop	ince 1956. erty damage in
	Inici	k un cor	instal	ks and	i wh	¢at ∮	ttraw	l No.	actual damage		Sic	ux City.	\$18	0,000	crop	105	s. -		
	str a f	w piled w broke	in f n lim	ences bs, wa	and s ti	hang	ing ble	from for n	bent cornstalks, power lines, and early a mile. h and went east.	S Crawford and N Shelby Counties	10	7:00 a	10	2500		ŀ	5	5	Hailstorm
'	1		1	ile so	1	of				5SE Clarion	10	4:00 p	3	3500			4	5	Hailstorm
Northeast Illinoi:	18	early am			2	0	•5	С	Rain, lightning wind, flooding	Greene County	11	2:45 p	4. 5	ha 64					Funnel cloud
	Cool	k County	nort	∤h, sho	rtly	aft	er m	idnig	argely from ht of 17th.	Ft. Dodge	22	ot repor 4:00 p	3	VU 11.	a00	ve g	round 5	, mov	ed northeast. Windstorm
	Powe	er failu and se	res r veral	esulte build	d fi	om 1	alli: e st	ng li ruck	mbs and light- by lightning.	Gruver	22	2:45 p					5	5	Windstorm
	Two and	boys we set fir	re fo	und de	ad i	ion.	d af He	ter 1	ightning struck		Hai	1 report	ed so	uth of	Gru	ver.	40%		ge from hail.
	and	often m	bre t	han 5'	1. I	ocal	flo	ding	erally near 3" in many areas. ast Guard res-	Sioux City	30	4:00 a		_			5		Lightning
	cue		han 5						ast Guard res- gan and Michigan	Kansas									<u>.</u>
Central Illinois	ĺĺ	6-8p			0	0	•4	С	Wind, hail	Northeast Corner	Ì	Afternoon and							Hail, wind
		-	seve	re loc				1	'			Evening	a 1		ne	4.0	47	m	loneko si Eson -
	and to 3	power 1: " diame:	ines er a	damage 7:50	d ab	out an	6 p.n d les	ser o	dings, trees, oria had hail lamage occurred		Wind	gusts to	o nail 70 mph	hit lo	call	in	Kansas	City	lopeka at 4209 p.
'		_	of	centra		Ιİ		1	1	Northeast and Central Kansas	3				-	3	•6	С	Hail, wind
Elizabethtown	18	lp		1	0	0	°4	C	Wind, hail,		and	central Ka	nsás d	ausing	heav	dam	age to	crops	tions of northeast buildings,
	rate	storms	n fe Ha	l fel	uess lin l"	tha a v	n one ariet	y of	from two sepa- shapes with damaged trees,	ļ	auto resu	mobiles, s lted from	tc. I strong	wo pers	ons wir	ere :	njure nage to	by h	il and one injury and buildings
	root	s, gard	ens a	nd a f	ew f	ield	s of	corn.	damageu crees,	1	was	relatively	пілог	• One	stri	of 1	hail e	tende	from south of

See reference notes at end of table.

		CAL	РАТН	Ŧ		OF SONS	ESTIM. DAM	ATED†				CAL	PATH	Ŧ	NO. PER	OF SONS	ESTIM. DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P	WIDTH OF PATH (YARDS)	אוררפם	INJURED	PROPERTY	CROPS	CHARACTER OF Storm
KANSAS (Cont'd)	Cent	ralia and	inet	est of	Marrie	ori 13 d	+0 M	nhatt	an with the largest	KENTUCKY Central	7						04	С	Electrical, wind
North and Central (Cont'd.)	ston	es of gol:	ball	size or	lar	er.	Some :	rregu	lar stones near						ľ		"	"	rain
	ston	es of base	ball s	ize. A	nothe	r are	a ext	nded .	rom northern th the largest		fre	m the Ohi	Rive	t in th	e nor	th to	the 7	enness	al area extending ee border in the
	othe	r localit	es of	Northea	st Ka	nsas	Gar	ien cr	o occurred in pps near Silver		lig	htning; a	motel	unit a	nd ga	rage	burned	; at 1	ire set by east one barn
		were wipe y, large							diameter, and		dan	ned. Wind	build	ings an	d cro	ps.	Heavy	rain w	as responsible
Western Kansas	Ŀ	Day							Dust			at least				Dase	ments	מוני טע	siness locations
		ng souther					rable	blowi	g dust reducing	Mason County	9	3:05 a.			0	0	04	С	Wind, rain, hail
Central Kansas		Evening				1			Wind		In par	the Maysv tially un							, downed trees, pperty.
	Loca	lly stron	winds	hit at	scat	tere	poin	s cau	sing damage to	Greenup County	21	5:15 p.	1 ₂	500	0	1	4	0	Wind, rain,
	and	dings and Russell w ph were r	re som	e of th	ne co	nties	affe	ted.	Wind gusts to		A .	hundersto	m mov	d acro	as th	Ohi	o Rive	r sout	lightning hward into the
Northwest Kansas	l	Afternoon	ł		7		•5	С	Wind, Hail, Rain		cit	y of Green	up.	ind do	ned	a nun	per of	trees	and damaged ildings, several
	ł	and Evening	ľ				-				fro	m a window	. Th	Ohio :	Liver	ъеса	me ver	roug	falling glass h immediately
	heav	iest dama	ge. Ha	il was	1 in	ch in	diame	ter in	ties reported the several localities	Christian County	pre 24	ceding the 2:40 p.	stor	h; seve	Tal b	pats 1	were d	amaged	and one was sunk Lightning
	unof	ficial re	port of	8 inc	hes o	rai	n in a	pproxi	ew Almelc. An mately 30 minutes oding occurred	onribitan county	1		lle a	Young W	1		reated	at a	hospital after
	in t	he wake o	i heav	thund	ersho	vers	ver t	ne are	a.		she		y was	struck	by 1	ghtr	ing wh	ile wa	shing clothes.
Norton County	10	After-							Tornado	LOUISIANA									
	A to	rnado oco	rred	n open	coun	try w	est of	Norte	n.	Lake Pontchartrain	Pilo	11:09 a. t reported	funn	l cloud	d 11	NE Ne	Or1e	ans In	Funnel cloud alo ernational Airpo
Saline, Rice, and McPherson Counties	10	After- noon and Evening				j	•14	С	Hail, lightning, Wind	Acadia Parish	2	Between 8:00 and 8:30 a.			0	2	4	0	Wind from east
	Dama	ge was to	crops	, garde	na, b	uildi	ngs, t	elepho	ne lines, etc. A		hous	e trailer	from	ement 1	block	, fl	pped	t ove	ted up 10x45 ft. four times, mov ts injured.
Sherman and Cheyenne Counties	16	Afternoo	1			1		14	Hail, lightning,	Ouachita Parish	9	B:00 p. oe: public							Funnel cloud
									Bird City and a	Richland Parish	12	Before 5:25 p.							Turbulence aloft
	few	areas cau	sed lo	cal fla	sh fl	odin	but	little	damage.		Pilo Monr		repor	ted ex	treme Lon	turb	lence also 1	in sq 4-inc	uall line 30 E hail.
Scott County	22	7:00 p.					Ţŧ		Lightning	Terrebonne Parish	14	Before							Funnel cloud
		er lines v er equipme		by li	ghtni	ng ca	psing	\$10,0	O damage to the										reported funnel
Ellsworth County	25 A s	3:45 p.	ollisi	on 11 m	illes	6 West	of EL	Lswort)	Dust in a local dust			hed ground		CEL III	ATUR (Own	10, 11	Com	Invacion that it
	sto.	n resulte							Heil	Southeast Division	19 PIAO	1:44 p 3:51 p. HEMINES PA	RTSH-	1:44 n	nf	lot r	enorte.	funn	Funnel cloud alor l cloud 50 SE New
Johnson County	25	After- noon							UNII		Or le	ans Intern	ations	Airpo	ort.	JEFF	er son	BARISH	3:47 p3:51 p.,
	Hai Par		ately	inch	n di	amete	r was	repor	ted at Overland		of N	ew Orleans moving nor	Inter	nations	al Air	port	and r	in she	wers to W and to orded trace pre-
North central and	26	After-								Orleans Parish	cipi 27	10:30 a.			١.	0	0	0	Lightning
Southeast Kansas	<u> </u>	noon and Evening	1		ļ.,		4	<u> </u>	Lightning	orieans rarran	Duri	ng Lakefro			okra, a	n el	derly	nan wa	killed by light two lightning
	Clo	itming str id, Clay, ourn and π	Allen .	and Wil	son C	dunti	es cau	sing s	e, Washington, everal buildings		bolt	s; his clo							
Scattered Counties	27-		1				5		Lightning	Vermilion Parish	27 P i 1o	4:38 p. t reported	funne	l cloud	at 1	hite	Lake.		Funnel cloud
	28	27th								Cameron Parish	31 18 S	1:00 p. E Lake Cha	rles:	Funne 1	loud	rep	arted	by pile	Funnel cloud ot. Hook observed
	and	Logan Cou	nties.	A gra	πu eτ	evato:	Mitch at S	ell, (pring	sage, Miami, Johnson Hill burned	MAINE	f" r	Buar.		1	+	-	-	+	
Harwey County	caus 29	ing an es	4Tuste	0,درب ا	w as	mage.	lı.		Lightning	Cumberland and York Cos.	1	Early evening			0	0	3	.3	Electrical, hail
	A fi		nd its	conten	ts we	re de	troye	 -1/	2 miles south of	1	ligi	tning atr	kes t	ouched hail.	dff s	PAGO	ul mino Loke	fire	A number of a. Mumerous re thunderstorm
,	New	ton.									WAS	attended 1	y hea	y rain	foll	owed	by hea	vy hai	1. Hailstones up to 14 inches
				SPECIA	I HAT	I SIM	ARY				in	ilameter.	1	1					,
					7	7		hail :	es especially	Central, southern	22 Manu	PM		h+c1	0	2	4	3 1 des	Electrical, wind rain, hail
		ere as fol	lows:								rain	, and hai	i. Se	ction o	f rai	1 tre	ack was	ibed ou	age by wind, heav it at Hallowell. ght injuries by
	1	Smith ar	1	1	1	in +h	now	heset	quarter of Kansas		ligi	tning.			-				
		suffered				Ti th	Hota	,4e480	Arginer of Pansas	State	rece	rded as m							Some stations fell on at least
	4	Doniphar	Count	ty							4 d	wys.	1	I	1 -	ŀ	1	I	1

See reference notes at end of table.

		بر	x		NO	OF	ESTIM	ATED†				.5	Ŧ	1	NO	. OF	FSTIL	ATED†	1
		TIME - LOCAL STANDARD	PATH	WIDTH OF PATH (YARDS)		SONS		AGE		1		TIME - LOCAL STANDARD	PATH	Ę		SONS		AGE	
PLACE		78	LENGTH OF (MILES)	58			}		CHARACTER OF	PLACE		ងគ្ន	ENGTH OF (MILES)	WIDTH OF PATH (YARDS)		,			CHARACTER OF
_	ш	g g		₽¥.	8	ē	Ĕ	×	STORM	,		AD.	품	¥ AR	e	8	E	'n	STORM
I	DATE	AT	Ä,	Ē,	KILLED	INJURED	PROPERTY	CROPS	1		DATE	MAT	N.	ا ق	KILLED	INJURED	PROPERTY	CROPS	
			L <u>-</u>					L <u> </u>	L		ı								
MARYLAND Cecil and Harford	3-4	11:00PM-			0	0	4		Lightning	MASSACHUSETTS (Co	ht'd	þ			0		1.	1.	
Counties	7."	2:00AM		1	-	-				orange-action	i	3:45 P.M.		Narrow		'	4	°	Tornado
	Ligh	tning stru	ck at	least i	our	build	ings,	demagi	ng two and destroy-		Skir	ping evide	nt as	damage	pach	uр	o a b	alf mi	e in length were ge to Athol, in an
		two by fired at \$600		e most	seri	ous l	oss wa	s that	of a residence,		east	erly direc	tion.	Buildi	ngs '	expl	oded."	Vacu	um was felt by
I	ļ .		0.								OCCI	pants as a	windo	w was s	ucke	fro	de a ho	mbe.F	unnel reported seen
East-central Dorcheste: County		11:30PM- 05:30AM			0	0	3	3	Heavy rain	State	Thur	derstorms	were u	nusual I	y fr	quen	e in J	ply.	Thunder was heard
country	23	05.501									as E	any as y	ays at	one at	atio	. н	ail te	ll on	at least 5 days.
	Cent	er of heav	y rai	was Cl	urch	Cree	Fire	Stati	on where amount of cooperative observe	MICHIGAN All Lower Michigan	. 2	12:30 p	ļ			2	5	•	Thunderstorms
	repo	rted 3.92	inche	at Bla	ckwa	ter R	efuge	and 2.	96 inches at	-		11:00 p							with high winds, heavy rains, and
	Camb	ridge 4W.	Very	little	dama	ge, i	ncludi	ng tha	to crops, was										lightning
																			age throughout with result-
Cumberland	17	6:30PM			0.	0	7	1	Lightning		an	t damage	to he	mes, 1	buil	ding	s and	cars	Several house
	Seve	ral build	ngs w	re stru	ck a	nd da	naged	y lig	htning during brief room of a steel										service disrupted to the storms.
		this pla								1	Ne	houses	under	cons	truc	tion	in t	he Ana	Arbor area had
Harford and Cecil	29	8:00-			0	0		0	Lightning		on	golf co	ļrse a	t Cha	tlot	te. '	‡wo o	f the	ck by lightning men were injured
Counties	-7	10:00PM		ĺ		"	, ,	ľ	I I Sucurio		and	hospita high wi	lized	. Ligh	ta.	rpl	ane o	n the	ground capsized
	At. 1	east three	plac	es were	stru	ek by	light	nine.	The worst damage		-	_]				
	occi	rred when	a bar	, conta	inin	gal	arge a	nount	of grain, a truck	Iron Mountain		1:30 p., 4:30 p.					4		Heavy rains
	and	farm equi	ment,	caught	tire	and '	was de	stroye	g.			vy exce					base	ments	streets and
MASSACHUSETTS Statewide	1	i		ĺ	2	4	5	4	Electrical, wind,		Ì	ds with	resu.	tant (iama	e.			
			١.						rain, hail	Lachine	2	3:00 p.	l				4	C	Thunderstorms with heavy rains
	of s	tate. Da	nage r	esulting	fro	n num	erous	lightr	in eastern parts ing strikes,										hail, high winds
	inc	uding fire	s, ac	counted	for	nost	of the	1osse	s. In the Greater buildings were		Ha	l covere	d the	groui	nd f	rom .	4 to	6 incl	and lightning es in depth.
	str	ck. Wind	felle	trees	dama	ged h	omes a	nd aut	bmobiles and took		0b	ervers	n the	scene	re	ort	ed th	e hai	filled 3 foot , and hay were
,	down	utility v	vires. les.	Power Locally	and I hea	phone	servi ins wa	ces we shed o	re disrupted in ut some fields,	1	de:	troyed 1	by the	stor	р. н	igh ·	ATUGE	damag	ged several barn
	gar	ens and r	bads a	nd floo	ded a	treet	s. und	erpass	es and cellars.		and	buildir	igs. I	ouse 1	trai.	ler :	blown	over	and wrecked. and heavily dam
	Ligi	tning str	man ock an	was elec	etroc	uted an in	Lynn.	Pour	live wire. other persons		age	d. Nume:	ous 1	Vanter	nas	blo	yn do	wn or	destroyed. Gen-
₹ . i	were	injured	ither	by dire	ct 1	ightn	ing st	rikes	or near misses. ea. Numerous		hic	il area v hways Mi	fithir 2 and	1.2 m.1.1 1.M65	e ra	diu ved	the	the ju	nction of state
	loca	l occurre	ces o	f hail a	hred	ded p	lants	and da	maged surfaces	St Clair							l		
	of l	uildings	and au	the mo	es. St se	The s vere	torm a chunde	t Nort	h Truro was s in many years.	St Clair	· ·	1:15 p.					4		High winds, hall and heavy rains
	An 1	nconfirme							ccurred off		High	h winds	damac	ed nur	nero	is h	omes	and by	ildings. Many to cars and
	Nor	h Quincy.									bu:	ldings.	Windo	w brea	kage	da	nage .	also 1	reported due to
Western sections	2-3	During night			0	0	4	0	Electrical, wind,		h19	h winds.	Golf le cro	ball p dest	8126 roye	ha:	il re	stori	. Six thousand on the W.
		en trees,							ines and water-		Pa'	terson o	rchar		-		}	1	}
	car	ed gullie: trical st	in t	he morn: d heavy	ng o	f the	3d ev	idence ruck d	d the severe uring the night.	Mackinaw City	6 Wo	3:15 p. man inju:		en hi	jh w.	l Lnds	3 caps	zed	High winds her house trailer
	A 50	vere loca	wind	storm:	n De	erfie	ld tor	e into	a hill pulling		Se	veral but							high winds in
	35 (o 40 tree	befo	re jump	ing o	ver t	he hil	1 and	across a river.		'	area.						ŀ	
									trees which I tornado but	Southern and Central Lower	7	6:30 a 7:30 a					5		Thunderstorms with high winds
	evi	ence is i	suf fi	cient to	80	с1авв	ify it	. Tor	rential rains	Michigan		7.50 0							lightning and
	stre	ets and w	caus derpa	ed stor	h dra d cel	ins t lars.	o clog	creat	ing flooded		Ex	cessive :	ains	flood	ed n	umer	ous s		heavy rains s, roads and
Pembroke to	4		6(2)	Narrow	0	0	5	4	Tornado, hail		hi	hways ar	d bas	ement	wi:	h h	eavy	damag	e reported. ted service to
Marshfield	ŀ	About 1:30 p.		į		-	-				hu	dreds of	E home	es and	bui.	ldin	ġs. H	igh w	nds toppled
	Nar	ow and sk	pping	path o	des	truct	ion ea	st-nor	theastward through rees, and utility										ouildings and aused damage to
	11 n	s damaged	or de	stroyed	Ac	сопра	nying	hail f	ell in a path a			ldings a					-		i - i
	Mucl	crop inj	ргу.	Scatter	d th	under	storms	elsev	inches in diameter. here in south-	Grand Blanc	11	6:50 p					1		Hail
	east		and o	a Cape (Cod c				damage and some		One	and thre	e for	rths:	nch	Biz	e hai	l repo	rted at Grand
Eastern	8	Early	, ary	LLUVY I	0	2	3	2	Electrical, hail]]		}	ì	1
1	ľ	P.M.	l	l	١		1	1	·	All Lower Michigan	20	2:00 p., 8:00 p.					5	C	Thunderstorms with hail, high
	fla	workmen in h floodin	njured k of s	by lig	htnin by ac	g; on compa	e home nving	damag rain.	ed. Minor local Golfball sized										winds, heavy
	hai	reported	at Le	icester	at a	bout	1:30 P	.м.											rains and light- ning
Central	22	P.M.		ł	0	0	4	0	Electrical, rain		Hear	y rains	in ex	cess (f 4	inc	nes i	some	areas flooded roads and
									Connecticut Nearly two		str	ets with	heav	y dama	ige :	repo:	rted.	Nume	ous lightning
	incl	es of rai	was	reporte	at	North	ampton		o hours, flooding		con	iced fire tents. He	B Cau	ised he	avy	dam	age t	o home	s, buildings and rm crops. High
	str	ets. Lig	htning	damage	most	ly mi	nor.				wind	s felled	many	trees	w11	th r	esult	ant da	mage to homes,
Plymouth	23	11:30 A.			0	2	3	0	Electrical		of)	omes and	buil	dings	thro	ugh	out t	he are	ted to hundreds a due to high
·	7.90	in house	-11 Juze	wnen	**Buc	17.08	BLINCK	ľ] i	wind	s and li	lghtni	ing cut	ting	th	e pow	er li:	es.
Western and North .	29	P.M.			0	3	5	3	Electrical, wind,	Praser	20				1	1	l		Electrical
Central	Seve	re local (hunde	storms	caus	ed lo	cal fl	poding	rain, hail and washing rains		Two	men red le plavi	ng q	l injui	ie m	wne in d	ed d	uck by	lightning ter from the
	in e	everal con	munit:	les. Li	ghtn	ing d	amaged	bu11d	ings and utility	[110	htning i	njury	} .		-		[-
	Ath	i. Hail :	lao f	11 in 1	anv	c Dames	hities	and a	or injuries in Chester reached	Hubbard Lake	20	7:15 p.	3	?	a	٥	4		Tornado
	3/4	inch diame	ter.	Widesp	ead 1	vere :	losses	due t	o winds which		To:	nado str	tuck s	mall a	rea	on	he n	orth e	end of Hubbard fa cottage.
	Ches	ed trees a	artic	nches, larly l	caus ard	ing w	ldespr vith d	ead ut rect	ility outages.	[]	La!	e tu vic	ona	ounty.	ROC	_ w	יומ פי	, o:	
	buil	dings. Th							of a small	Hubbard Lake	20 Ch 1	7:15 p	?	?	0	0	4	1000	Tornado
		ado.									fire	hall but	lldine	dama	jed.	Two	boat	house	nearby village as blown down by
Shelburne Palls	29		0.1	10	0	0	2	٥	Tornado	1	the	tornadio	wind	ls. Bo	th t	he b	bats	and h	pants of a near-
	Narı	3:15 P.M. pw funnel	dippe	briefl	y to	grou	nd and	uproo	ted five trees.		pA .	cottage	bser	red the	fu	nnel	clou	4.	
ļ	Move	d to South	east.		ľ	Ī Î	-			1	-		'						

		OCAL	PATH	Ħ_	NO. PERS		ESTIM/ DAM		600000			OCAL.	PATH	¥_	NO. PERS		EST IMA DAM		A118.2
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PAT (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PAT (YARDS)	KILLED	INJURED	PROPERTY.	CROPS	CHARACTER OF STORM
	20 Fun	8:00 p	alof	: obse	rved	10	iles	nort	Funnel aloft heast of Plint.	MISSISSIPPI Hancock County	3	6:00 p.			0	0	3	0	Funnel cloud alor
St. Joseph, Cass, Kalamazoo and Ottewa Counties	22	2:00 p.					5		Thunderstorms with lightning, high winds, hail		funn	el cloud a and porch	loft t	o N. J	ust S	of l	iln, s	t abou	an ill-defined t dusk, wind swe
	road des	is due t	o exco	essive g alle	rai y bu	ns. I ildi	ight ng and	ning i con	and heavy rains basements and induced fire tents in Comstock amage of 100	Boliver County	nel	remained a	ving c	600 louds w 00 feet	alof	t bu	dippe	pproac	Tornado hed from WNW. Fu on outskirts of ground; then mov
	thom home Fire bare	usand do es and b e caused	llars uildin by li ntent	. Powe ngs th lghtni s of h	r se rougi ng d ay n	rvice hout estre ear	the pyed	rupte area Large	d to hundreds of due to the storms modern farm le with estimated		SE to sudde tion down 7:10	oward High en peculia Homes, Water d p., hail	way 61 r keen stores amage averag	before ing, mo , and f minimiz	lift aning arm d ed si	ing sour well: nce	rom gr d of s ngs de nly 0.	ound. bout i maged; 2-incl	Accompanied by wo minutes dura- some trees blow rain followed. covered 500-yard
	24 Seve	2:00 p eral fun miles no	nels	aloft st of	віgh Calu	ted met.	oy Ai	r For	Funnels aloft ce B-52 about	Lee County	12 Stor		1/4 rong w					ward l	Wind E, moved Guntown
Southern Oakland County	25	3:00 p 7:00 p					5		Thunderstorms with high winds, lightning, hail, and heavy rains	Coahoma County	tene		acres						ildings and flat ; trees uprooted Funnel clouds al
	hom kno	es and c Cked dow	ars. I	High w er lin	inds es a	top	pled Lpped	humer the	of buildings, ous trees, roofs off of two bads and base-	Tourism Goules,	Pilo 34.3 trol	reported N, Long.	90.5°W lots o), area f thund	of J er an	ones	own.	Missia	Memphis (Lat. sippi Highway Pa ery little wind,
	men the ser sto	ts with wall of vice dis rm.	resul two rupte	tant h story	eavy buil	dam ding	age. unde s in	High r con Royal	winds blew down struction. Power Oak due to the	Tippah County	17 Rain tent	9:00 p. began sho under whi	rtly a ch 900	fter 8: people	l 00 p. were	888	mbled	rose a in Ti	Wind ind collapsed a pan County Fair-
All Lower Michigan	28	1:00 p 9:00 p					5	C	Thunderstorms with high winds, lightning, hail, and heavy rains	MISSOURI	was		ported	ly elec	trocu				12-year old girl nt broke off wir
٠.	con cau win	siderabl sed heav is destr	e dam y dam oyed :	age re age to many c	bui bui	ed. I lding y tre	Numer gs. h es i	omes, the	asements with ind felled trees and cars. High orchards in the ms caused crop	Sedalia, Pettis County	1 Wind	early afternoon		and 4-		ne 1	l ₄	none.	Thunderstorm
	dam inl lin bui dam	age. Hig and lake es which ldings t aged by	disr hrough	is dam ghtnin upted hout t ning i	aged g an serv he a nduc	many d hid ice t rea. ed f:	y sma h wi o th Home res.	11 bonds sousands and Whea	ats docked on evered power ds homes and buildings were t field crop	St. Joseph, Buchanan County	thre 1	2:00 p.m.	f rain	fell i	n an	hour	causi:	g loca	nd homes, About
Rogers City	28 Wat	8:00 per spout	obse	rved o					Waterspout rsonnel of the	Kansas City, Jackson County	fiel 1	d was torn	from	its moo	rings		5.		the Rosecrans Thunderstorm se of wind damag
	mil Num	es north erous tr	uck H west ees w	oeft S of Rog ere bl	tate ers own	city and	in P toppl	resqu ed al	Tornado area which is 4 e Isle County. ongside camping	Sedalia, Pettis County	to p	ower lines during night	•				14		Thunderstorm
	are ten blo	a. Torna sive dam wn and t	dic w age t ossed	inds b o vari about	eus the	camp camp	the ng e	tents quips timat	the camp site and caused ex- ent which was ed damage in ceived slight	Boonville, Cooper County	2	10:00 p.m	4	3000			5		r building. Thunderstorm
MINNESOTA osmos and Paynesville	cut	on the							Hail	Montgomery City, Montgomery County	2	evening					5		Thunderstorm
itchfield, Meeker ounty	6-:	il ½ to 1 section ar ware mile	ea bet	ween Pa	ynesv	lle	ed dan and Li	age to	crops in a ed and a 1 by 2	Bowling Green, Pike County	2	6:00 - 7:00 p.m.			•		L	ļ	Thunderstorm
livia 5NW, Renville ounty	1	lot report	1	1	ļ				Funnel cloud aloft	Princeton, Mercer		and light orst sinc early			o ele	etri	power	lines	reported to be
ipestone County	l	5:00 p.	1	ļ	diame	e er d	0 amaged	erop	Hail s in 12 sections. Tornado	County		damage to	1 .	and te	lepho	ne 1	ineв, t	rees :	and homes. Thunderstorm
ustin 8S, Mower ounty atonwan, Blue Earth	9 To	7:00 p. rnado touc 6:00 p.	(?)	(?) wn brie	ļ	1		1	caused no damage.		Hea:	w hail da	mage t m last	ed abou	† 15	pinut	tes. 1	ward	corn and soybes the end, the hai
nd Faribault Counties	Ma ac mi	rble sized companied nutes at l	tail w idelia	ith a r	ed cro	ps on ed 2.	nume: 30 inc	hes f Irdest	arms. Heavy rain alling in 40 hit hail areas	Fulton, S,SW Callaway County	11	6:30- 7:30 p.m to 5.50		of rain	fel	in	minor 3 hour	s caus	Thunderstorm
orth St. Paul, Ramsey	wh 1:1	ere hail : 3:30 p.	ecumu l	ated to	a de	pth c	E 4 i	ches.	(Faribault County)	Auxvasse (2-1/2 W) Callaway County		1.	er blo		inj	1		ccupar	Tornado
ower and Fillmore		ar a tree Early Morning	ed unco Inju	mscious ries m	by I inor.	l ightr 0	ing s	trike 4	while standing Hail, heavy rain	Crocker, Pulaski County West Plains, Howell	Tre	5:00 p.m s strippe 3:30 p.m	d of 1	150 saves,	twist	ed ar	d down	in se	Tornado veral directions Thunderstorm
	Li	ght hail : eatest over	ear Sp rnight	raing Va	111ey 1115.	and 0	ches	ier, F at Spr	Rey and a 2 mile in Mower County. illmore County. ing Valley. Flash	Joplin, Newton			boy k	illed b		htnir	1	oy tel	ephone lines dow
t. Charles 6NW,	f1 28	opding res	stricte	to co	lvert	s and	erod	ed hig	hway shoulders.	County Bernie, Stoddard	Mot.	1:15 p.m		f and f	iftee	n car	e dama	ged.	Funnel Aloft

JULY 1964

		CAL	РАТН	Ē		OF SONS		ATED†				CAL	PATH	Ē		OF SONS	ESTIM. DAM		
PLACE		ARD L	T OF	7 P. 1			Ł		CHARACTER OF	PLACE		ARD L	P (S	PF PV			Ł		CHARACTER OF
	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	STORM		DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	NJURED	PROPERTY	CROPS	STORM
MONTANA	1	1]						NEBRÁSKÁ (Cont'd) Northwest of Alliance	6	6 - 7 p	35	Narrow	0	0		ير (Heil
Fairfield, Teton County	2	4 P.M.	25	30	0	0	0	0	Tornado		Ligh	winds, s	mall a	tones g	ave .	utt1	prope	rty	
	Ther touc	was at the diground	east o	ne funn nes. La	ei, a irge c	nd it	is be	lievec	to have nd power	South Central to East	6-7	11:30 p	ļ	ьо	0	0	6	İ	Damaging Winds
	pole	were twi	sted o	ff.						Central Nebraska	'	- 4:00 a	d .	, ,	in 1	help	1	ŀ	
Central Montana	2	Evening	7	?	0	٥	0	4	Hall, Thunder- storms		Cour	ties about	midni	ght and	MOVe	d ea	tward	and	
		ous hail									Wind	ester to s gusts in	excess	of 90	MPH 1	ere i	easure	d at	
		ball size			Ferg	jus Co	unties	. Hai	Istones were		Hast Kear	ings and 0	rand nsive	sland a damage	nd re	ache	roofs,	PH at	
Great Fails, Cascade County	4	Evening	?	. 7	0	2	0	0	Lightning		buil	s windows, dings were	deno1	ished b	y the	wine	ds; rw	ors of	ļ ļ
		young boys	were	struck	and i	njure	d by I	Ightni	ng while shooting		and	adoes coul corn crops stalk brea	were	danaged	by :	ear 1	tripp	ng	
Northeastern Montana		Early	,	۱,	0		4	5	Hail, High wind,			showed 7							
		Morning							Thunderstorms	Dawes County	7 ⊌h:i±	5 p ney to Ida		Narrow Mostl		, 0	Ones a		Hail
	1- +	he Circle-	Bracks	de area	I I MAGE	hoe r	huntvi	l ott	h greatest damage er areas receiving			ng winds.				Ţ.,			
	exte land	counties.	de wer Hail	e north	ern V ef 2-	alley inch	, Dani diamet	els, a er wer	nd northern Rich- e reported.	North Central Nebraska	7	5 p - 8:30 p	80	20#	0	0	4	5	Hail
	Scat prop	lered stor erty damag	ns wer	wind.	ed i	h the	area	on Jul	y 5. \$40,000		and	ral strips 10 miles 1	ong oc	curred .	from	easte	rn Che	rry	
Southern Liberty,	9	Evening	50	*30	0	0	4	5	Hail, Heavy rain		and coun	Brown Coun ties. Sto ranged up	ties t	o centr re most	al Cu	ster to	and Va	lley ameter	
Southwestern Hill, and Northern Choûteau Counties									nty. Damage was s, but damage was		cres	sed the da	mage.	Crop 1	Þ88 1	#B8 CC	implete	in	
COUNTIES		o severe.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	er area			111 64 (Jul., 14	s, but danage was		side	center of rable roof	and :	indow d	ama ge	. Ha			}
Heron, Sanders County	17	Evening	7	7	0	1	2	0	Lightning	Near Horace	7	ground two 8:40 p	?	ree 1100 ?	nes c	0		٥	Tornado
	Ligh a ma	ining stru under th	k and e stor	set fi e fight	re to	a st	ore. re.	A seco	nd strike injured			hed down 1							101222
Broadus (8 miles north	9 18	I P.M.	7	100	0	0	3	3	Tornado and Hail	Near Maxwell	7 Touc	10:10 p ned down i	? n open		0	0	0	0	Tornado
Powder River County North-central Montana		e to crop		rom ha	1.	0	3	5	Hail	Logan County	10	9:08 a tning stru	Spot	Spot		0	0		Lightning
NOT TO-CONTINUE MONTANA	18	& Evening		'	"				Ingi i		Stap	leton kill	ng wo	man ins	ide t	he ho	use.	250 01	
·									rough Toole,	50 W North Platte	10 Hail	3:25 p 3/4 inch	? diamet	? er.	0	0	0	14	Hail
	from	very ligh	t to 1	total in	some	fie	ds.			Northwestern Box Butte		?	?		0	o	0	4	Heil
Northeast Valley County	18		18	*6	0	0	3		Hail to two inches of	County Near Scottsbluff	Parm 17	home dama 2:20 p	Γ	out mid Narrow	-	0	0	0	Tornado
	rain	of storm	ng sto	rm. So	ome ha	ilsto	nes I		ich diameter.	See Scottstill		hed down i						"	Tothado
Ryegate (12 miles south), Golden Valley	19	3 P.M.	16	*6	0	0	0	4	Hail	Wear Belden	25 Ston	7:00 p s up to 1	2 inch	2* diamete	0	0	0	4	Heil
County	.	stones up	1	1		1				West of Chadron	27	6:30 p	?	?	0	0	4.	<u> </u>	Hail
Volborg, Custer County	l	Evening	40	*10	٥	0	4	5	Hail		harv	est had be	en con	pleted.	Roo	fan	winde	M	
	area	of souther	rn Cue	ter and	nort	hern	Powde	Rive	d Powderville Counties. Hail-	7 Miles SSW of Heming-	29	5:45 p	Short	Narrow	0	0	<u> </u>	0	Tornado
Suffolk (6 miles	(9:30 P.M.		1	0		3	3	Tornado	ford	Touc	hed down b	riefly	destro	ring	farm	buildi	1	
west), Fergus County	The	tornado to	ok 5 g	rain bi	ins ou	t of	a row	of 7	leaving one at each	Valentine	30 Hail	00:03 a stones 3/	? u inct	? diamet	er.	0	٦	?	Hail
	tele	phone line							ilding, power and of a barbed wire	NEVADA		No repor	t re	eived	by 1	rin	ing o	lead1	ne
BEERASKA	fenc									NEW HAMPSHIRE State	2 &				0	0	4	3	Electrical, wind,
Southeastern Nebraska	1	5 p - 7:30	30	20	0	0	0	5	Hail		3 Thu	derstorms	on bo	th days	caus	ed co	nsider	able d	hail, rain amage from
	Seve York	counties.	in He Heav	milton, dest da	Clay	, Fil	lmore 3 mile	and by			dri	eways, di	rt roa	is and	ditch	es we	re was	hed ou	heavy rain. Many t and trees and ed some crops and
	mile	le area ju strip sta	rting	about 4	mile	s eas	rt of I	ene-	7 21		gar	ens. Kai	l diam	eter rea	ached	l in	ch at	Benton	and exceeded 1
		Stones to two inc		lly abo	nt g	inch	diamet	er, a		Seabrook Beach	19	3:10 p.			1	0	0	0	Electrical
Norfolk Vicinity		9 p ge to tree	?	?	0 Bud c	o .	5 12 mov		Damaging winds		exp	rienced m	inor 1	ocal dag	uages	from	light	ning,	pshire areas wind, or washing
	scre	en.	-	•			-						ncook,	1.55 11	nches			[40 minutes.
Miles South Hoskins	2	}	١.	Narrow		0	4		Tornado	State	22	P.M.	ator	فموروم	8000	Cered	4 damas	0 e. mai	Electrical, wind, rain mly in the northern
South of Arthur		Afternoon hail dri		? high w	0 inds	0 with	sever:		Hail e		and	central p	ortion	s. Ligi	htnic	g bur	ned a	barn s	t Meridith. Winds bed as a "near
		felfa. 5 a	12	Narrow		0	0	l ₄	Hail		tor dam	ado" at Jo ging at L	effers ittlet	on. He on when	avy r many	ain c	aused e base	flash ments	flooding, most and streets were
Richardson County	Ston	s up to 2 lfalfa cr	号 inch	es in d	Lamet	er de		d com)		flo	ded. A 1	andsli	de bloci	ked r	ail t	racks	near h	eridith.
Dakota and Dixon	5	2:30 a	16	5*	0	o	l ₄		Hail	State	rec	ording as 1	nany a	s 13 da	va wi	th th	under.	Hail	Some stations was reported
Counties	Ponc	Hubbard to 1"		tomà s		Sto	nes re	nged		NEW JERSEY	on i			report		, , a	Lys BC	a giv	en station.
Stapleton		7:30 p n injured		Spot			0	0	Lightning	NEW GENSEI	•	I	Hone	r shor.	rou	ı	F	I	ı
	NUBB	h rulfstag	MITTE	whaurut	a renc	a Baj	,0.	1	'										

pee reference notes at end of table.

	1	<u>+</u>		NO.		TIMATE					i)	ĮΞ			. OF	ESTIMA		
	OCA!	PATH	AT.	PERS	ONS	DAMAGE					OCA	PATH	¥_	PER	SONS	DAM	AGE	
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INURED	rkopeki r	0		PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NEW MEXICO Silver City, Grant	14 Night				1		Hail		NEW YORK (Cont'd		iak Palla	dama		1		n of	HITTOM	. Many trees u
County	Hail from 1/2	+- 3/	. 4 mah				HALL			to 3	- and 4-f	dot dia	meter 1	uproot	ted w	th sor	e doze	n homes plus of
		140 3/1	4 inch	in au	meter.		1			fail	ures with	in vil	age re	sulte	i in o	leclar	d stat	e of emergency
Albuquerque, Bernalillo County	19 6:00 p.m.	1.		1	. .		Lightmin	•		serv	edbut n	ature a	nd con	entra	tion	of dar	age si	no funnel ob- ggests possibil
	Violent thund working on tr	erstor	n with	11ghtr	ing st	riking :	and killing	one man		of r	ailroad t	racks.	Appro	ech o	heav;	rain m des	s wash	d out a section by witness as,
NEW YORK	' '	ĺí								"onr	ush of ao	lid gr	y wall	•			1	
Southern Tier and East Central	1-3 p.m. to			2	4 9	i	Electric	al, wind	Hudson and Eastern Mohawk Valleys and Long Island		p.m.		00000	l .	1	5 -11-		Wind, electrica rain in upper Hud-
	A stationary f	ront a	ffectin	g the	Bouther	n half	of the stat	e for		son	and easte	rin Moh	wk Val	Leys :	Spread	i to L	wer H	dson Valley and unroofed with
	three days can Lake Erie east	ward to	o the M	bhawk	and mic	l-Hudso	n Valley. T	wo boys		auto	mobile an	d other	prope:	rty b	attere	d by :	allin	debris. Boat-
	were killed an Ulster County;	other	s injur	ed inc	Luded r	ıan at :	Kemmore, Eri	e Coun-		anat	here hereat	laum ·	furmi tar	wa hi	drum of	hound	Sir	nroofed, boats ars smashed by
	ty and man at Syracuse, whil	s home	s were	variou	ısly dar	aged a	nd burned ne	ar James-		one	ing trees demolishe	d at M	nenecta ilton,	oy; j Sarat	ga C	unty;	2 barr	d overturned wi a flattened by ed over wide ar
	town, Ithaca a Barns, contini	hd in he hav	the Buf	falo s olemen	nd east	ern Mo	hawk Valley roved by fir	ereas. es near		of e	ast centr	al cou	nties a	🛭 Tar	TROW	as De.	laware	and Schonarie
	Unadilla, Otse legany County	go Cou	nty, De	ini, þ	elavar	Count	y, Canaserag	a, Al-	.	area	s of lowe	r Huds	dn Vall	ety, e	apeci:	lly a	t Tarr	tchester County town. Light-
	ning caused so reported in ea	attere	d power	fail	res and	ldamag	e to trees;	Hail		ning Spri	-caused f	ires d chaght	estroye icoke a	d two	barn so st	in v	icinit	of Saratoga Canajoharie; 4
	on 3rd caused									bolt	killed b	y bolt n, Lon	in nor	thern	Dela	are C	dunty.	Canajoharie; 4 Man injured by homes in Suffo
Chenango and Orange Counties	10 late p.m.				1		Electric	al			ty as hea	vy rai	s caus	ed ex	tens1	e flo	ding (homes in Suffo f low areas of
	Lightning bolt burgh, Orange	s stru	ck homes	at I	reene,	Chenan	go County an	d New-	NORTH CAROLINA							ł	1	I
	Lightning also County.	cause	d exten	sive p	ower fa	ilures	in eastern	Orange	Alamance County	3	6 pm.					4	0	Wind, Electrica
Central and Eastern					١.			_	Riamance country	1		 						·
	12 р.ш.				, '		Electric			plat	y thunder e glass v	ndows	and d	amage	գ Խ Վ	ldings	in Bu	broke several
	Electrical sto lightning fire	s. Da	ry bar	n dest	royed a	ıt West	erville, One	ida		Ι.	tning dis	stupted	power	and t	eleph		ļ	
	County, while ston, Ulater C	ounty :	ustain	ed ext	ensive	damage	ty and near Lightning		Brunswick, Hertford, Wake Counties	4	aftn		1			3	4	Hail, Electrics
	disrupted powe	r in v	icinity	of La	ke One:	da.				Thur Brur	derstorms swick and	in th	ree dif ord Cou	feren nties	t are	as. H htning	ail da struc	maged tobacco in c house near
Jefferson and Ren- sselaer Counties	19 a.m. to sarky p.m	↓ '	!		1	•	Electric	al .		l	Forest.							
•	Thurderstorms	scatte	ered ov	er the	state	result	ed in destru	ction of	Lee and Richmond Counties	9	aftn		١.			3	4	Hail
	property by l	ightni and far	ng-caus m impl	ed fir	es. La	rge da yed in	iry barn wit early morni	h con- ng hours										afternoon, and F Richmond Count
	at Theresa, J	¢ffers:	on Coun	ty. I	rive-i	n theat	re screen wr	ecked		also	affected	by la	te afte	moon	stor	n. To	1	lamaged.
****	sheds also va	lovál	damag	ed by	fires.				Person, Richmond, Scotland, Stanly and	10	8~9 pm	ļ		0	4	4	4	Hail, Electrics
State, except ex- trems west	21-23 p.m. to p.m.				1	5 5	Klectrica hail, rai	l, wind,	Surry Counties	Hai.	damaged	tobacc	in se	veral	wide nts	ly ser causin	arated g vari	areas, and ed damage. Four
	Numerous seve	ne thun	derstor	ne vi	th occa	sional	high winds.	hail and		per	ons hospi	talize person	d when lost an	ight	from	struck flying	churc debri	d damage. Four in Scotland
	heavy rain hi counties duri	wide	areas o	fsta	te exce	pt the	extreme west	ern	Caswell, Granville	1	5-5:30pt		50	0	1	5	4	Tornado
	cows, machine Malone, Frank	y and	hay, de	stroy	ed by 1	ightnir	g-daused fir	es near	and Person Counties				1	İ	cent	'	1	l County and fol
	same county.	airy b	arn wit	h 300	O balles	of has	lost in fir	e near		low	ed a skipp	ng pa	th nort	heast	ward	throug	h Semo	ra and across the Virginia borde
	Troupsburg, S extensive dam in Albany and	severa	all homes	siin w	idely s	cattlere	d aireas. Wi	nd de⇔		Fun	el cloud	seen a	t Yance	yvill	e. D	emolis	hed se	veral buildings crop and trees
	stroyed drive	in the	atre so	of ce	at Horr	ell, St	euten County	, while		sev	eral areas	betwe	ekn. Om	e per	son i	n jured	in Ya	acevville. Possi
	injured by li bolts caused	entning numerou	bolt a	one fail	onta. ures fr	Wind to	oppled trees	and mest cen-	!]	from	Blanche the Vir	(five	miles r	orth also	of Ya	nceyvi near t	le) n	oted along a pat ortheastward to ter of the south
	tral to upper Valley on 23r	Hudson	Valley	7 on 2	lstand	22nd a	nd in lower	Hudson		bor	ier of Per	son Co	unty no	uthea	stwar	d acro	ss Gra	ville County to by in Virginia
	acres of onio and a gladiol	ne and	potatos	s in	Canasto	ta area	of Madison	County			lier in th							
Saratoga Lake, Sara-	23 3:40 p.m		"		ľ	3	Waterspoo	ıt	Johnston and Person Counties	12	4~5 pm				1	2	4	Hail
toga County	.d.t.	}						••		Hai a f	damaged	tobacc	on Cour	al sa	will a	reas,	and di	d slight damage
	Waterspout, d								Guilford, New Hanover,	13	3-5 pm			Ĭ.		4	0	Wind, Electrica
	foliated and luge of falli	l ևա հու	roken,	while	home d	amaged	by a 15-min	ite de-	Onslow and Randolph Counties	Thu	nderstorm	in se	meral a	reas	cause	d loca	lly da	aging winds.
	No additional storm activit	runnel	activi	ity re						Tre	es blown o	iown, t	mildine	a unr	oofed	Lig	htning	set fire to a
Peekskill (near),	23 6 p.m.	, ua r	JU OCCI	•			Funnel c	and	Columbus County	l	7 pm					4	0	Wind
Westchester County	e.d.t.						tamer ()	.ouu	State of the s	1		ls of s	dind wit	h rat	n ble	l		in two differen
	Pilot reporte									are	s of com	nly. B	ofs da	maged	aut	crus	hed by	falling tree.
	north of Peek	ground.	Hower	ver, t	rees an	d limb:	downed in r	uany sec-	Jones, New Hanover,	15	aftn					4	5	Hail, Electrica
	tions from Po	result	of seve	ere th	inderst	orm act			Richmond and Stanly Counties	Hai	damaged	tobacc	in Jo	mes a	ud Ri	chmono	Count	ies. Lightning
romania.	son Valley af	rnoor	and ev	rening +	+ +	+	+	_			uck sever tle in St			TOUE	area	s, and	, KTI16	four dairy
Lewis County	29 a.m.					4	Electric		Alexander, Anson,	16	aftn			0	. 2	-4	5	Hail, Electrica
	Lightning bol	t kill heavil	ed 9 co of damag	ed by	dled u lightn	nder a ing fir	tree, near C e at Lowvill	open- e.	Avery, Jones, Lee, Madison, Moore, Rich-	Hai	damaged	obacc	o and	ruit	crops	in m	py are	as. Lightning
Hoosick Falls, Rens-	29 2:30 p.				1	5		il, rain	mond and Rutherford Counties		uck sever were fee							a woman and chi
selser County	n. e.d.t.										-	- "						
	1 1	1			1 1				11									

																		JULY 1964
	CAL	PATH	H T	NO. PER	OF SONS	ESTIM. DAM					CAL	РАТН	ТH	NO. PER	OF	ESTIMA DAM		
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NORTH CAROLINA (Control and Yancey Counties	ont'd) 17 5-6 pm			1	3	3	0	Electrical, Rain,	OKLAHOMA (Cont'd Guymon, Texas County	i) 4	6:32p 7:10p.			0	0	4	0	Wind and hail
	worked in fi	eld nea ted by	h Ahoski the pres	ie. <i>i</i>	n aut	o acc	ident nditio	njured as they killing three was ns. Hail damaged		dama	ge to one le-size h	plane ail co	Gust	ing w	inds 90%	measur of the	ed up groun	t and caused minor to 35 MPH and d over a 2 1/2
Davie and Robeson Counties	19 6-7 pm			ō	1	3	0	Electrical		tota	300 tele led 30% o	phone	outages	as r age a	ains nd ha	totale il 70%	d 1.74	The storm caused inches. Winds
Cleveland County	Mocksville.	Also s	d serio	r and	d caus	sed ac	an usi cident O	ng telephone near near Red Springs. Rain	Southern Bryan County	A ma	lting fro							Heat cm a heart attack erature hit 102°
i	rain climaxe	dsever	er dam :	ear I	lawnd ve da	le wa rs of	shed o		Heavener, LeFlore	at I	6:24p.	Short	Narrow	0	0	0	0	Hail
Pasquotank County	23 8:18 am Pilot report		funnels	seen	five	miles	west	Funnels aloft of Elizabeth City.	Dustin, near,									er the city during ed 1.19 inches. Wind
Haywood and Jackson Counties	24 4:15 pm Heavy thunde	rstorm	caused	power	fail	4 ire, f	4 looded	Hail, Rain, Wind, Electrical streets, storm	Hughes County	Loca	lly damag across t	ing wi wo far	nds fro	n a h	eavy 2 mil	es sou	rstorm th of	moved northeast- Dustin. Nine high d and some crops
Davie County	sewers and b mercial vege	asement	\$. Wine	d ble	r dow	n tree	s. Ha ountie	il damaged com-	Osage and Tulsa		5:55p 6:30p.	7	* 3	0	0	5	4	Tormado and winds
Burke, Caldwell,	l (washed	car off	brid,	1		l	man driver injured.		fron	vere thun	southw	est of	Skiat	bok t	o l mi	le nor	amage as it moved theast of town persons saw a
Cleveland, Davidson, Iredell, Mecklenburg, Rockingham, Stokes and Vance Counties	Hail damaged and Vance Co damaged by b	unties. oth win	Trees	areas blown	s, pri down	incipa n; pow Two m	lly to er and en bur	Electrical bacco in Stokes telephone lines ned when light-		torn alor to Many	ado withing the pat the ground v large tr	n the h and , and ees we tages	storm to demolisheavily re blow up to 2	hat sined a dama n ove	truck larged a ged and	the a e barn barn downer	round , bent outbu d powe l pecs	several times a flag pole nearl ildings, and roofs r lines caused n groves were
Gaston, Mecklenburg, Rowan and Warren	ming struck when tree fe	transfo	mer at	Lenoi	r. 1	Voman :	injure	in Statesville Hail, Rain, Electrical	Chickasha, near,	hea 65% 25	vily damag	ed. T	ornado	0 damag	e 359 0	of \$7	0,000	total, and wind Funnel aloft
Counties	Rain caused :	flash f	loods da	magir	ig hod	ies in	Charl	in Mecklenburg.	Grady County		unnel alof ing north- About			10 m	iles	south	of Chi	ckasha and was
NORTH DAKOTA	Counties.		end o		1				Taloga, nean Dewey County	Ası	3:10p.	do is	believe	i to	have	touche	d down	briefly 8 miles
OHIO Napoleon	15 3:30 P		*1	0	0	0	3	Hailstorm	Jefferson County		Afternoon 25th, Afternoon			٥	0	7	1	Electrical and wind
		south o	# Napole	on.	its	ath o	ktende			Lig	26th htning set	scatt	ered gr	uss f	ires	east o	f Waur on 12	ika on both days. different ranches
La Due Reservoir Grange Co.	A man was ki		lightn	ag wi	0 nile	fishin	g from	Lightning a boat.	Muskogee, Muskogee	with	n one rece	iving	loss of	abou	t 400	acres	The	re were 3 such ngling on the 26th Wind and hail
Akron	21 3-4 PM	ne resu	ited fro	3 • 4.1	6 Leavy	o ₆	C Lized	Heavy Rain	County	par	t of downt	own Mu	skogee	with	light	ter wir	d dame	rea in the east ge indicated over
	in a short t foundations taxed main s section of t	ine. M under s torm se he stre g one o	eny carreversi i wer unde et to co	were build: er Tal	ings	idated vere u se Pky L car	on a ndermi burst fell 4	ed to have fallen parking lot; and hed. An over-, allowing a large 0 feet into the rowned while try-		l-in bus: gard dam	och size. es to caus iness firm age was bl age from f blished, s	Many e gene s lost own do lying igns a	downed ral pow consider wn on a debris	trees er in erabl car and g	term te roo while rave	ked si iptions fing of 26 of 1, one lown or	reets up to r ent: her en small er, ar	ported up to and cut power 5 hours. Five re roofs, one tos received warehouse was d 5 major firms
Akron	reported to	estimat have fa	ilen in	conn	t 1 1	/2 inc	hes in	Large Hail diameter, were	Tulsa County		t was gene 4:30p	rally		the			dama 3	e. Storm move- Funnel aloft and
Cleveland	thunderstorm 28 Afterno	OB		1	0	uh 11-	plant	Lightning		eas	t to the r	orthwe	st acro	ss a	rura	l area	betwee	winds th from the south n the north side ds under the store
	Other thunds eastern Chic and property City Sewage	rstorms were r . For Disposs	occurr esponsi example Plant	ing d	ering or mo Girar estim	the s derate d, str	wind	ternoon in north- image to trees ideage to the 000; and in Hount a trees were blown		four four hei A t one and and pow	sed major ndations. ng topped otal of to man was i demolishe east part er lines w	damage Trees by a f n barn njured d. Ot s of T	to 5 h , a bar lunnel a is or or when h ther wir lulsa who locked o	nomes n, ar uloft utbuil nis tr ni dan nere r iown i	and lid ser that lding raile rage roofs in 25	blew 4 veral 1 was si s received received locati	of the ouses ghted me was re- central ed mir ons.	ds under the storm off their showed signs of by 2 individuals. jor damage and lled into a pond ted in the south or damage and Winds up to 51 MP. atton with gusts
OKLAHOMA Northern McIntosh	1 9:10a			0	0	0	0	-Rain	Oklahoma City, Oklahoma County		mated up					u Alrı	ort s	Tornado and wind
County		oss the	area w	ith d	rench	ing ra		ted slowly south- taling 4.25 inches	S.Lanoud County	A so	mall torns ck of S. W rainstorn	do was 20th The	sighte street storm	d low when	ering e it i 4 b	to the was the locks	e grou en obs	nd in the 4100 cured in a blind- utheast across

	- 1	JAL	РАТН	Ξ	NO. (ESTIMA DAMA					JAI	PATH	Ε	NO. PER	OF SONS	ESTIM. DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P. (MILES)	WIDTH OF PATH (YARDS)		INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P. (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
OKLAHOMA (Cont'd)					lL I I	<u>l</u>	_			PENNSYLVANIA	 	LL							
Oklahoma City,	open f	ields w	ith th	funne	appa	ren 1	y rais	ing a	loft again at of was lifted from	Near LeRoy	1	Early Mor	ning				5	3	Tornado
Oklahoma County (Cont'd)	a shor	ping ce	nter a	nd air	condi t	ioner	and a	larg	e sign were torn										er lines, ripped s
	City	aused s	trong	vinds w	hich d	emoli.	shed a	ı trai	south part of the ler home and		seve	ral homes	were b	lown ou	t. 1	ecomp	anyin	hail	area. Windows in shredded corn stal
									reached 66 MPH at 3:55 PM.		and : grou	ruined man	y gard	ens as	it ac	cumul	ated,	to con	pletely cover the
	Tornac	io damag	e 89%	of \$42,	000 to	tal a	nd Wir	nd 119		State-wide		Afternoon			2 -	1	5		Thunderstorms
Lindsay area,	28	:45p.			0	0	04	С	Wind and rain					the car					hroughout the Stat
McClain County									barns and ripped	1	fire	la mumber	of ba	rns, ho	mes,	and q	ther 1	uildir	gs, with damage es
	blev	ver a d	rillin	g rig b	eing e	recte	d, and	dest	port from a home, royed a field of		burn	ed a third	, whil	e they	were	stand	ing in	side a	nd killed 2 person barn. Strong win
									5 inches at rting 4-to 6-inch		near	Shickshin	ny unr	oofed s	barr	and	downed	a mun	ber of trees.
	amoun			ŭ				-		Renovo	2	5:15 P.M.					5		Thunderstorm
Lamar, Hughes County		:00p	1/2	500	0	0	4	0	Tornado, funnel		Light	ning from ling and c	a thu	ndersto	rm fi	red s	mote:	causi	ng damages to the
	'	6:30p.							aloft, hail, and rain				purent	B 01 \$1	,,,,,	ľ.	•		
•	Two f	nnels a	loft w	ere see	n movi	ing ea	st-no	thea	t over the City	Southern Lancaster County		5:00 P.M.					3		Thunderstorm
	town 1	riefly	at 6:0	0 PM wh	en the	roof	of t	ne Lar	southwest part of ar Grade School		The !	to 6 mil	es of e Susq	rain fr mehanna	om th	e sto r, wh	ran bea ile m	ched a	nd swamped a numbe floating docks we
	gymba:	sium suf	fered	minor d	amage	and a	near	by tra	. The adjoining iler home was		damag	ed by the	rapid	rise o	f wat	er le	vels o	n the	river and tributar ghtning and strong
	off of	irned. Severa	Trees	were up s. Hai	rooted Lupit	int o 3/4	he are	size	roofs were lifted accompanied rains		winds	felled a	numbe	r of tr	ees a	nđ po	wer l	nes.	
	which	unoffic	ially	measure	i 6 🛊	ches	in the	e com	unity.	Near Ephrata	8	7:30 A.M.					4		Thunderstorm
Henryetta, near,		Mout			0	0	4	0	Electrical						en li	ghtni	ng sti	uck a	barn. Barn and co
Okmulgee County	1	3:00ps									l	were a t		bss.					
	Light:	ning str of Henry	uck a	200-bar The re	rel di sultir	il tan ng exp	losio	ated (n and	1/2 miles north- fire also destroyed	Levittown	10	7:30 P.M.					4		Thunderstorm
	2 oth	er such	tanks.							,	Light	ning hit	severa	homes	in t	he co	mmunii s. Se	y with	fire resulting in ws were also kille
Okemah, near, Okfuskee County		About 3:30p.			0	0	4	0	Electrical			ning on a						102 00	
OKI uskee County			l.,		لد د دا		1/2	41	outh of Okemah.	Johnstown	21	6:15 P.M.					4		Rainstorm
	Store	ning sti d furnit	ure in	the va	cant	1015	Was a	lso l	st										rs damaged many ba
Near Hugo,	29 A	fternoor			0	1			Electrical		ments flowi	and yard ng water.	in t	e area	Se	veral	stree	ts wer	e undermined by th
Choctaw County	A man	was str	nuck an	d injur	ed by	light	ning	as he	visited at the	Somerset to Scranto	m 22	Afternoon			2	2	5	1	Thunderstorms
•		of his p								Area			- L m					ul hy 1	ightning. A utili
Southeast part of	29	4:00p.	14	7	0.	0	4	0	Wind		htat:	on near J	chnsto	n Vas	alac	hit c	ausin	tidama s	es of \$35,000. Ne
Sequoyah County	A hea	vy winds	storm m	oved fi	om ar	unusi	ual di	recti	n and provided		tree	during th	n was e stor	. Nes	and a F Sci	anton	, a b	t of	g while walking un lightning struck a
	Muldr	ow, and	Gans.	At Rol	land 2	carpo	orts a	nd se	css Roland, eral roofs were		kille prior	d 1 man a to the a	id inj rrival	of the	other stor	m. A	hey we	re wat r-old	ching a softball g girl softball play
•	damag was c	ed and a onfined	hayba largel	im and y tota	TV an	tenna: nd ut:	s blow	n dow lines	. Muldrow damage At Gans the		es s	lso injur ts due to	d. I	n Lock mabilit	Haver v of	hea sewer	y rai	n caus	ed flooding of cit if the excess wate
	roof	of the s	chool	was blo	own of	fand	sever	al ho	es damaged along		such	a rapid r	ate.	numbe	rof	trees	and 1	ıtilit;	lines were felled
Lawton, Comanche		fternoon	1	7	0	0	5	0	Wind	Concer & Forestto	1	5:30 P.M.		,	1	6	3		Thunderstorms
County	-			'	1 1	- (.			Green & Fayette Counties		1	ļ.,				1		,
	side	of the	dity wi	ile 6	army C	H-37 1	helico	pters	s on the north were blown from		camp	near Amit	. Li	ghtning	also	fire	d and	damage	ed 6 others nearby a manufacturing
	their	moorin	gs at 1	ort Si	III and	heav	шу са	maged			In B	cownsville	Str	ong wir	ds do	med	a numi	oer of	trees and utility
OREGON Medford area	1 3	4 P.M.	0.6	1,000	0	0	3	4	Hail	Annville-Palmyra Area	29	Evening					4		Thunderstorm
,	1	damaged						derr			a lar	ge bank b	arn wa	fired	and	destr	oyed 1	y ligh	tning. A Sizable he barn were also
D N W.11	L			-	Journa	-	,,				Stro	ng winds c	ollaps	ed a gr	sin e	levat	or exp	posing	the grain stored i
Rogue River Valley (Talent-Ashland)	13 4	P.M.	10	*1-2	0	few	6	6	Hail, Mind, Rain			savy vater estimate				ain.	IOUH.	uamae	e to structure and
	One	f most	damagin	g atom	ns in	the h	istory	of A	hland occurred	Lawrence, Beaver &		Late Afte	noon				5	3	Thunderstorms
	destr	oyed roo	ors, ga	rdens,	fruit	, shr	ubbe ry	, gre	ds of windows; mhouses and their	Allegheny Countie	figh:	uning fire	d seve	ral hor	nes ar	d bar	ns th	roughou	the area while
	conte	nts. A	ссопраг	ying he	n vvse	ains !	floode	d str	ets and few with hail, debris.		floor	ding from ze in exce	a heav	down;	our :	in the	New C	Kensina Astle s	ton area caused pr rea heavy rain and
Central Oregon	13 A	fternoo	n		0	0	4	4	Lightning, Hail		50 m	n winds f	latter	ed and	ruine	d whe	at an	loat	ropa.
							-	·	Rain, Wind	PUERTO RICO			None	repo	rted			İ	
	Fair1	y sever	e light	ning s	torms	accom	panied	loca	lly by heavy rains, cross the full	RHODE ISLAND		ļ		1		1.	ĺ.,	1	[
	north	-south	wiidth o	f cent	ral Or	egon.	Ligh	tning	started several	Providence, Kent, and Bristol Counties	1	7:30 p.	1		0	0	14	0	Lightning
	light	ming st	rikes o	aused	widesp	read	remoq	servi	mage. Winds, ce outages lasting		chi	sually sev nneys which	h dama	ged au	tomob:	iles 1	n Cra	nston,	pled several Pawtucket and
	seed	crops d	estroye	d or b	adly d	amage	d. Ru	noff	rain, potatoes, of heavy rains		Pro	vidence, F	rovide	nce Co	upty,	and i	n War	wick, I	Gent County. Trington, Bristol
	broug	ht wall.	s of we	ter la	den wi	th mu	d and	rock	from surrounding them at several		and	Warren in	Erist	ol Cou	aty.	Scatt	ered	hail w	nich reached golf
	point										(val.)	2126 JU	200 010	01 '	ans	יייים מו	116	Te de	
Northeast Oregon	31 A	ftemoo	n		0	0	4	4	Rain, Wind	SOUTH CAROLINA Columbia, Richland	3	7:00 pm			0		4	0	Tornado
	High	winds a	ccompar	ied lo	cally	by he	avy re	ins e	ttended over a	County	Fun	nel observ re defini	∳d - d				and :	hort.	Funnel dissolved
	count	ies. W	ind dov	ned an	estim	beta	3-4 mi	llion	Hern Malheur board feet timber	Garden City, Horry		Afternoon			1	1.	0	0	Electrical
	in 76	110-та-7	hitman	Nation	al For	est.	Many	trees	were upropted; badly damaged in	County	10	wi setution			*	1	ັ	ľ	2200012001
	Unilor	to Hal	iway au	ud Nyss	a to 0	ntari	o area	s. Nu	merous power service	Sumter, Sumter County	10	5:00 p-		1	0	0	4	0	Electrical
	8 cme	creeks	as hear	runc	er car	beir	great	quant	ities of silt into		Two	5:30 p	e indu	 strial	plant	dama	ged b	fire	
(them)	1	1	1	i I		1				,			~				•

			-	Ι	Luc.	OF	ECTU	ATED†			T		-	l		. OF	ESTIMA		1
		CAL	РАТН	Ę	PER:			A I EDI	-			GF	PATH	Į.		SONS	DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
SOUTH CAROLINA (C Myrtle Beach, off shore, Horry County	10		d not	touch	0	0	0	0	Funnel cloud	SOUTH DAKOTA (Co. Roscoe	21	ll:00 p.	observ	ed duri	ng l	ghtn	ing.		2 Funnel clouds
Blacksburg, 4 mi. NW, Cherokee County	15	ц:30 р d SW to N	1	100	0	0	Ц hail,	0 fummel	Tornado observed.	32 N Huron	1		from S	W to NE	des	royi	4 g sevi	ral f	Tornado arm buildings. Hail and Wind
Greer, Greenville County	15 One	Late afternoon residence		oyed, t	O Wose	o verel	u y dama	0 ged by	Electrical fire.	Frankfort - Doland Area		. Wind bl	own ha	il caus	uction	on an	dama	ge to	buildings in Samage. Wind
Blacksburg, h mi. NW, Cherokee County		4:30 p ing noise ed path.	l like a	100 irplan	0 - f	0 unnel	lı dippi	O ng, mo	Tornado ring SW to NE,	Murdo and vicinity	23	nated up t 5:30 - 6:05 p.					5	4	Hail
Columbia, 25 mi. E, Richland County	15	8:15 p rist repo	ted fi	unnel s	o loft.	0	0	0	Funnel cloud	Philip Airport	crop	ranged up s were des 6:30 p.	to go	lf ball or dam	siz aged	• B	bildin	gs, ga 4	rdens and spring Tornado
Charleston, 24 mi.N, Charleston County	18	5:08 p			0	0	0	0	Funnel cloud	Western Sully	Torn 26	ado destro	yed 2	hangers	and	dama	ged se		airplanes.
Anderson, Anderson County	18- 19	24 hrs. ending 1 am, 19		11 .4	0	0	Minor		Rainstorm	County into Northern Hyde County	Exte	9:15					hail t	wind	rowed grain.
	atio	n of 35 t	40 re	sident	in	one n	eighbo	rhood.	temporary evacu-	TENNESSEE					1		Ì.		
Winnsboro, Fairfield County	18- 19	7:00 am 18th - 7:00 am			0	0	<u> </u>	0	Rainstorm	Giles County near Pulaski Hamilton County	7 A 9-	1:00 p. year old t 6:00 a.	oy was	injure	0 dan 0	1 bur	O med by	light	Lightning ning. Lightning
		19th y rain co tantial d		on a	lat:	oof	caused	its c	ollapse, causing	near Chattanooga	ligh	tning dama ning thund	ge to erstor	homes i	n She	pher	d Hills	Comm	unity in early
Southern South Caro- lina and other scat- tered areas.	21 Extr	Intermit- tent emely hear Resufort	ry and	locally	2 rec	0 ord-b	ta reakin	g rain	Rainstorm s in the Charles- stantial flooding	Haywood County	seve	1:00 p. eon-egg si ral hundre ne City of	d acre	s west	of B	daep owns	cause	d hea	Hail and wind vy losses to me wind damage
	and Frog	washouts more repo rred from	of road	s and 24-hou	local rai	dama nof	ge to	crops. inches	The community of One fatality	Shelby County	11	10:00 p.			0	0	5		Tornado, wind and flooding 2.91 inches and a
Myrtle Beach, 17 mi.E, Horry County	21 Pilo	10:00 a t observe			0	0	٥	0	Waterspout		smal	l tornado rable prop	in the	southe	rn po	rtio	n of Si	helby	County did con-
Spartenburg, 55 mi.W, Pickens County		5:00 p funnel cl	ouda w	ere see			i	0	Funnel clouds	Henry County near Paris Franklin County	Shoc	PM k and brui 2:00 p.	ses to	three	0 membe	3 rs o	O a far O	o mily. O	Lightning Lightning
Fort Jackson, Richland County	24 Scat peri		or ca	sualtie		28 few	0 requir	0 ing tr	Electrical		A te	lephone wo unity.	rker :	as kill	led by	lig	htning	in th	Sinking Cove
SOUTH DAKOTA			,							Putnam County	23	PM			0	0	0	4	Hail and strong
Tyndall and vicinity	Hail	5:55 - 6:10 p. averaged	7 1/2 ir	*2 ch witl	lar	gest .	3 3/4 in	4 ch and	Hail covered ground as from Tyndall	Memphis	Putn 29	am County	withir	two ye	ars.	Hea:	ry frui	it and	n portion of tobacco losses. Lightning
Aberdeen and		miles N						Patn w	Hail	MD-FAC	75% Elle	fire loss ndale Comm	to the unity.	\$300,0	100 SI	adow.	Lawn E	lement.	ary School in the
vicinity	Hail	ll:30 a. size from				١.				TEXAS 3 E George West Live Cak Co.	1	6:30 p- 7:00 p	6	1000	0	0	3	la.	Tornado
Near Martin	Hail	3:30 - 3:50 p. averaged ches deep	1/2 1	*2 1/2 ch with field	lar	est 85-1	3 3/4 in 00% cr	5 ch and op los	Hail covered ground		pati	rnado mov n of destr n fields.	etion Prope	about rty dam	1000 aze o	yard: onsi	wide ted of	through two i	t, outting a h maise and indmills d a few trees
Alexandria to		6:30 -	1	*1/2-2			3	5	Hail and Wind		upr	oted. Co	nsider	able da	nage	resul	ted to	maise	and corn.
Hurley		7:30 p. averaged o SE.	3/4 i	ich wit	lar	gest	3 inch	es. S	torm moved from	Rotan Fisher Co.	Win	6:30 p- 7:10 p i and hail	cause	#3 d exten	0 Bive	damag	e to d	5 otton	wind, hail and other crops st of Rotan and
Flandreau and vicinity	9 Wind	About 3:00 a. s estimate	ed up t	to 100 I	IPH de	amage	d or d	5 estroy	Hail and Wind		sout	ending acr thwest of was the	oss the Roby.	e north Cotton st. In	west was Rots	centr compl	al par ataly veral	t of I destro plate	isher County to yed where the glass windows
Parts of Hand, Jerauld, Aurora,	9- 10	7:30 p 6:00 a.					5	6	Hail and Wind		hai:	l. Hailst rest stone	ones a s abou	veraged t one i	abou	t one	-half cover	inch i	amaged by the n diameter with ground to a timated at 50
Davison, Douglas, Charles Mix, Hutch- inson and Bon Homme Counties	Appa area	rently 3	d wind	cause	ext	ensiv	e dama	ng the ge to	period in this crops. Wind		\$300 win	00 miles p	er hou Ll dam o prop	r. Hai age to erty es	l dam prope timat	age t	o crop	a was imated	estimated at at \$3000, and ut three inches
Near Hayti	One no d								2 Tornadoes in a lake with drawn from	Kent, Stonewall Counties	1 Haii	evening caused e	? ctensi: ntv li:	? ve dama, na. In	0 ge to	oath	of the	hail	Hailstorm Kent and were the ther farms.
10 SE Britton		11:00 a. ado passed	thro	igh fari	yar	des	3 troyin	gaba	Tornado rn.	Bowie Montague Co.	2 One	morning man was i	njured	, at le	0 ast o	l me bu	? Il was	м 0	Lightning d, and damage ctrical storm.
75 SSW Pierre	10	1:40 p.					ļ _	ļ ,	Funnel cloud		н. 1	B. Necly w	as bur	ned acr	oss t	he mi	dsecti	on by	a bolt that with his hand
i	Hail from	ll:00 p. ranged fr l mile N royed and	to 3 п	iles S	of Ne	well.	ze wit Crop	h dama	Hail ge extending gardens were		on the	the hydran	t, whe	n the l g a wou	ightn	ing s	truck,	knock	ing him across which required
Western 2/3 of Edmunds County	21- 22 Heav	11:00 p 12:30 a. iest damac	30 e to w	*15	d gra	in ac	4 nd hays Wind	4 stacks estima	Hail, Wind and Lightning Lightning killed ted up to 90 MPH.	7 W Pecos Reeves Co.	A to	6:45 p rnado rip ge was es l in a ver	timate	dat \$3	,300.	Hea	vy rai	O miles n, up	Tornado west of Pecos. to 3.4 inches

1	#	PATH	r l	NO.		ESTIMA				1	뒣	Ęŀ	₋ 1	NO. C		ESTIMA		
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF PA'	WIDTH OF PATH (YARDS)	PERS		PROPERTY		CHARACTER OF STORM	PLACE		TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	PERSO		PROPERTY		CHARACTER OF STORM
	TIME	LENG	TOW	KILLED	INJURED	PROP	CROPS			DATE	TIMI	LENG	WIDT	KILLED	INJURED	PROP	CROPS	
TEXAS (Cont'd) 5 WNW Corpus Christi Nueces Co.	16 9:05 a- 9:10 a	had bu	Wantha	Bunk			1 600	Funnel aloft	VERMONT (Cont'd) Albany, Craftsbury	21 Larg	P.M.	of pot	atoes d		0 red b	3 v hail	4	Electrical, wind,
	way patrol u funnel to be north of Vio	nit fol 700 to	lowing 800 fe	the ¢	loud e	estima	ted b	ottom of the	Marshfield	22	4:15 P.M. re local v			0	0	3	2	Wind as and utility
E Robstown Nueces Co.	but did not	ado tou	iched gr uny dama	ound	Two of	ther f	umel	Tornado, funnels aloft of Robstown remained aloft,	Southern	29	P.M.	wind o	amaged	i - I	0 Ings	4 and t	- 1	Blectrical, wind, hail, rain nd caused many eggs at Stamford.
	time as the northwest.	tornado	• The	storm	move	l from		about the same neast toward the		Some near demo	washouts the New Y lished whe	were of ork Si n the	aused t ate bor	der,	vy 1 a con	cal r crete and t	ins. block e thr	eggs at Stamford. In Bennington, garage was be walls all fell path extending
Wedsworth Matagorda Co,	off a tree, cow shed abo	munity tore pa ut 50 f	ched gr in Mat rt of a set. A	ound agord roof	a Com off e of	nty. a barr sheet	ds the The tand a	Tornado rough the ornado snapped soved a heavy was blown from Miraculously,	State	from funn Verm	Hoosick F el report ont side. derstorms	alls, or oth	N. Y. er cond	Torna lusiv	dic e evi	ction dence	is su was o	spected. No otained from the One station had
12 E Laredo								nd no one was Funnel aloft		leas		of occ	urrence	. In				quent, with at s had up to three
Webb Co. 5 SSE Nederland	20 12:20 p							Funnel aloft	U. S. VIRGIN IS. VIRGINIA			None	repoi	ted	l			
Jefferson Co. Near Colorado City Mitchell Co.	22 5:15 p- 5:35 p	2	200	0	0	և	7	Tornado, hail, funnels aloft	Pittsylvania County	12 The	2 P tornado wa	5 s obs	100 rved i	0 n open	0 com	î itry a	? ad des	Tornado cribed as a
	A tornado st Roofs of sev were damaged nado was est	eral fa by hai	rm buil il. Pro at \$10.	ldings perty ,000.	dama Two	blown ge res other	off ultin funne	olorado City. and field crops from the tor- ls were sighted se storm moved	Martinsville	Whi:	ling black damaged, a dation, as	cloud truck	movin	nortur	hwar ned,	a hou	Pitts se was	ville. A garage moved from its bundred yards. Tornado and rain
New Home Hockley Co.	from south-s	n ? y dama	st towar	rd the	nort	h-nor	heast ?	Hailstorm	Henry County	A sm the part	all tornad city during ially dama	o mov ng ear ged a	d in a y after	north moon.	east Ro	erly d ofs we two ch	re blo urches	on northwest of
Trinity, near Trinity Co.	25 4:00 p A small tor	? nado to near Ti	rinity o	comple	tely	destr	ying	Tornado rtin farm on the a new barn. The escribed by		hund and not	red and fi damaged a	fty y school Som	rds af build: water	ter it ing.	was Three	torn pers	from tons	he house, struck re injured, but rom heavy rain
12 E Albany	witnesses a: 25 6:00 p-	sound	ing "lil	ke a t	ig fr	eight	train	Two funnels	WASHINGTON WEST VIRGINIA	ļ	}	None	repo	rted				
Shackelford Co.	6:45 p Two furnels	were o	served	alofi	nea	the :	bex 0	aloft ommunity.	Beckley	1	afternoon		!	0	0	2	0	Lightning
Breckenridge Stephens Co.	25 evening Two funnels	aloft	were si	ghted	in th	e vic	inity	Two funnels aloft of Breckenridge.	Weirton Heights	9	8:30 p.m. evening			0	0	2	0	Lightning Lightning
SW Era Cooke Co,	27 afternoon A small torn of a barn on were blown	nado di n the W	? pped to W. Hi	earti ckers	0 just	? souti m was	? west blown	Tornado of Era. The roof off and gates	WISCONSIN Medford 2½ NW	6	6:15 AM			0	2	3	0	Tornado
12 SSE Nederland Jefferson Co.	27 12:20 p 12:31 p	1		i				Waterspout	Washington County	6	9:30 AM Touched between			0	0			Tornado
								t over Sabine	Western Counties	8	evening Hail up	35 0 1 3	∫h" dia	meter.	Be	3 gan in	5 LaCro	Hail ase County, ended in northern
N Mertson Irion Co.	was hospita and struck	lized f her. I	dr cuts n Mertz	and o	ruis trong	s when	a ti blew	Tornado, wind n. One woman ansom blew in the roof off one	LaCrosse 15E	10	crawford and Risin 6:00 PM	ounty Sun.	near F Path	sirvi in LaC	ross O	Path v	as nes	r Coon Valley, B
Lindsay Cooke Co.	garage and 29 5:00 p- 5:15 p	short	narrow	٥	0	3	0	Tornado	Southern and Eastern		Hail up Late af- termoon &	to 11	h" in	diame:	or.	5		Thunderstorms
								opp farm near off the Popp			evening Hardest	hit wa 7 inch	es at s	everal	rea.	Twer tions.	ty-for Fur	r hour rain fall
UTAH VERMONT Rutland and Windsor	No rep	ort r	eceive	d by	prin 0	ting 4	dead 3	Electrical, hail,	Rice Lake	18	early evening 3/4" hai			0	0			Hail
Cos.	up to ½ incl	diamen	ter. Fo	alling f Whit	tree Riv	s took er Jct	util tra	wind to Clarendon, and ity wires down in ffic was tied up	LaCrosse	18	1:30 PM	to 2				east (Hail portion of city
		land lis	gutning					g in the highway. hat destroyed 2	Union Grove	21	3:17 PM Hadl up	to 1	1/4" di	0 anete	. 0			Hail
State	strikes, ha	ll and	high w	inds.	Hail	up to	1.5	Electrical, hail, wind umerous lightning inches diameter	Milwaukee 15NW	22	early afterno Hail up	1	3/4" di	0	0	rain		Hail
East Albany		idoes F	ails and	d Peac	:ham a	nd ve	ry lar	ge hail also fell	North Central and Northeastern Counti	es 24	evening Woman s	truck	by ligh	ontming	1 7 8		rest o	Thunderstorms f Rhinelander.

JULY 1964

		TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED1 DAMAGE		
PLACE	DATE				KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF · STORM
WISCONSIN (Cont's Southern 2/3 of State	27	Late			0	ò	5		Thunderstorms
		Hardest lat Apple	it was	Fox Vs 4:00 PM	lley	area	Hai:	1 3/	n in diameter
Lake Winnebago	27	1			0	O lgh C	uff.		Water Spout
Houlton	28				0	1	3	0	Tornado
Eau Claire	28	12:20 PM			then	2 in	5 ches or	souti	Hail side of Eau Claire,
Statewide	ľ	Southern 1	alf or	state	0 harde	0	5 Lt. W:	nds m	Thunderstorms sasured at 72 mph Damage from wind,
WYOMING Newcastle 20 W	2	Afternoon	?	7	0	0	· 4	0	Tornado damage to other
	ranc time	h buildin	s. No	one wa	s at	the	larry	u uiu Borgia	lli ranch at the
Cheyenne	Hail	4:25 p. up to 11% rted.	? inches	? fell a	0 t the	0 Che	0 yenne	0 airpor	Hail t. No damage was
Carpenter to Burns	1.	8:00 p 9:00 p.	23	7000	0	0	4	5	Hail
	of B	to 3/4 inc building: urns to 3	miles	east of	Car	pente	r, ave	raging	did damage to om 11 miles north 7000 yards across.
Cheyenne 40 ESE	14 Rada	of the cr 2:28 p. r reported ground.							Funnel aloft of it touching
NORTH DAKOTA)								
Southwestern part of state	ap	Afternoon lstorm ent ath to Wat to by in	ered N ford C	orth Da ity, Di	0 ko÷a ckins	on,	4 of Ale lott ar	6 xander d Elgi	Hailstorm then followed n. Hailstones
Newtown to Raub	4	Afternoon stones re	40	*6	0 rolf	0 ball	3 size.	4	Hailstorm
Gwinner to Lidgerwood	5	Night winds kn	30		0	0	5	3 60 ba	Windstorm
Devils Lake	10	2:00 PM			0	0			Funnel cloud
Fargo	10	2:20 PM			0	0			Funnel Cloud
Williston	14	4:28 PM			0	0			Punnel Cloud
Cando to Hampden Woodworth		L:00 PM ball siz 5:45 PM	35 hail	*2	0	0	0	3	Hailstorm
	Few	hailstone	of b	seball					Hailstorm
Flasher	21 Tort	6:30 PM ado touche	ed down	10 mi	O .es s	0 outhw	est of	Flash	Tornado er.
Bismarck	21	Hail up	to 14 :	inches 1	0 .2 mi	0 les e	ast-no	rtheas	Hailstorm t of Bismarck.
Maddock	26	5:00 PM Tornado	ouched	down i	0 na:	0 field	ne ar !	laddoc	Tornado K.
Finley	26	9:30 PM Tornado 1	ouched	l down 3		0 s we	0 st of	0 Finley	Tornado
Minot	27 Wind to 1	9:45 PM s up to 10 inch caus	O mile	s per h	0 our a	O und h	6 111 up	3	Windstorm and hailstorm

PLACE		TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED† DAMAGE		
	DATE				KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM

- ° Includes crop damage.
 C Crop damage.
 * Miles instead of yards.
 ** Yards instead of miles.
 Storm damages are placed in categories varying from 1 to 9 as follows:
 1 Less than \$50
 2 \$50 to \$500
 3 \$500 to \$5,000
 4 \$5,000 to \$50,000
 5 \$50,000 to \$50,000
 6 \$500,000 to \$50,000
 0 \$500,000 to \$500,000
 9 \$500,000 to \$5,000,000
 9 \$500,000 to \$500,000
 9 \$500,000 to \$500,000
 9 \$500,000 to \$500,000,000

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Delayed data and corrections will be carried in the June and December issues of this publication.

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